

THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION.

PHYSICAL ROAD NUMBER (PR#) & MILEPOST (MP) DATA ARE FROM MICHIGAN GEOGRAPHIC FRAMEWORK VERSION # 20.

MICHIGAN DEPARTMENT OF TRANSPORTATION

ROUTE: I-69

CITY OF FLINT

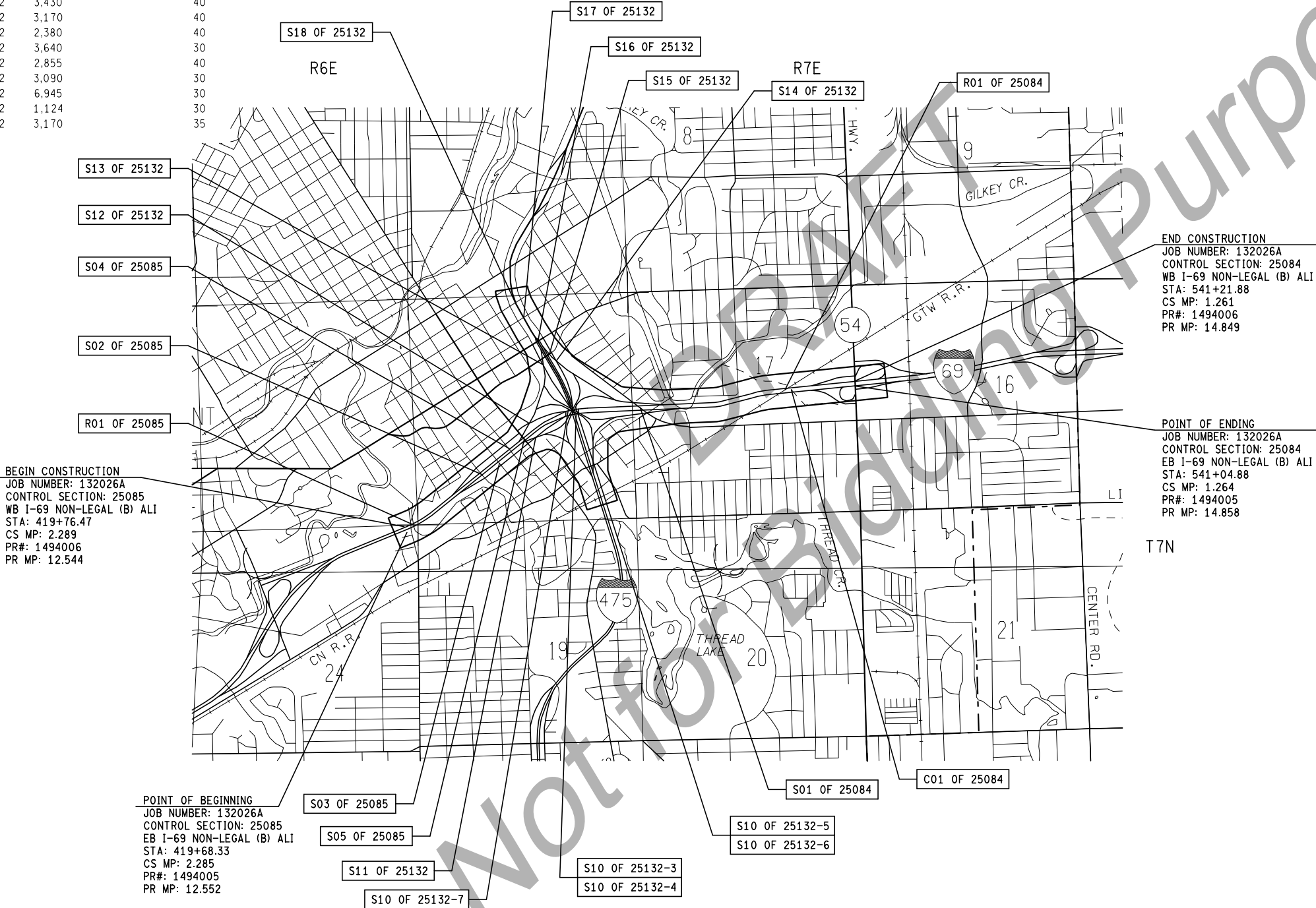
GENESEE COUNTY



COUNTY KEY

ROAD	YEAR	TRAFFIC DATA			SPEED DATA		LIMITS
		ADT	DHV	COMM	DESIGN	POSTED	
I-69	2022	65,450	7056	8%	75	70	POB TO I-475
I-69	2022	93,000	6755	7%	75	70	I-475 TO POE
I-475	2022	42,600		5%	75	70	(SOUTH OF I-69)
I-475	2022	45,500		5%	75	70	(NORTH OF I-69)
I-475 RAMP A	2022	1,935			40		
I-475 RAMP B	2022	6,035			40		
I-475 RAMP C	2022	9,400			40		
I-475 RAMP D	2022	4,810			40		
I-475 RAMP E	2022	5,010			35		
I-475 RAMP F	2022	6,770			30		
I-475 RAMP G	2022	2,710			35		
I-475 RAMP H	2022	7,715			35		
I-475 RAMP I	2022	3,430			40		
I-475 RAMP J	2022	3,170			40		
8TH ST RAMP K	2022	2,380			40		
8TH ST RAMP KK	2022	3,640			30		
9TH ST RAMP L	2022	2,855			40		
9TH ST RAMP LL	2022	3,090			30		
M-54 RAMP A	2022	6,945			30		
M-54 RAMP B	2022	1,124			30		
M-54 RAMP C	2022	3,170			35		

SECTION	CONTROL SEC	JOB NO.	FED AID PROJ
1	25084, 25085, 25132	132026A	NO
2	25084, 25085, 25132	201632A	NO
2	25132	204861A	NO



THESE PLANS WERE PREPARED FOR THE MICHIGAN DEPARTMENT OF TRANSPORTATION BY

RICHARD W. CHELOTTI, P.E. - PROJECT MANAGER
DATE
BERGMANN
7050 W. SAGINAW HWY, SUITE 200
LANSING, MI 48917
517-272-9835

APPROVALS

RECOMMENDED FOR APPROVAL BY:

TREVOR BLOCK, P.E. - PROJECT MANAGER
DATE

KEITH BROWN, P.E. - CONSTRUCTION ENGINEER
DATE

MICHIGAN
DEPARTMENT OF TRANSPORTATION
PAUL C. AJEGBA, P.E. - DIRECTOR

MILES: 2.188
CONTRACT FOR:
MAINLINE, RAMP AND SERVICE DRIVE RECONSTRUCTION, DRAINAGE IMPROVEMENTS
BRIDGE REHABILITATION, MAINTENANCE OF TRAFFIC, PERMANENT SIGNING,
PERMANENT PAVEMENT MARKINGS, TRAFFIC SIGNALS AND ROADWAY LIGHTING.

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)								TITLE SHEET		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION			I-69 TITLE 001	SECT 1 1

BERGMANN

ARCHITECTS ENGINEERS PLANNERS

MDOT

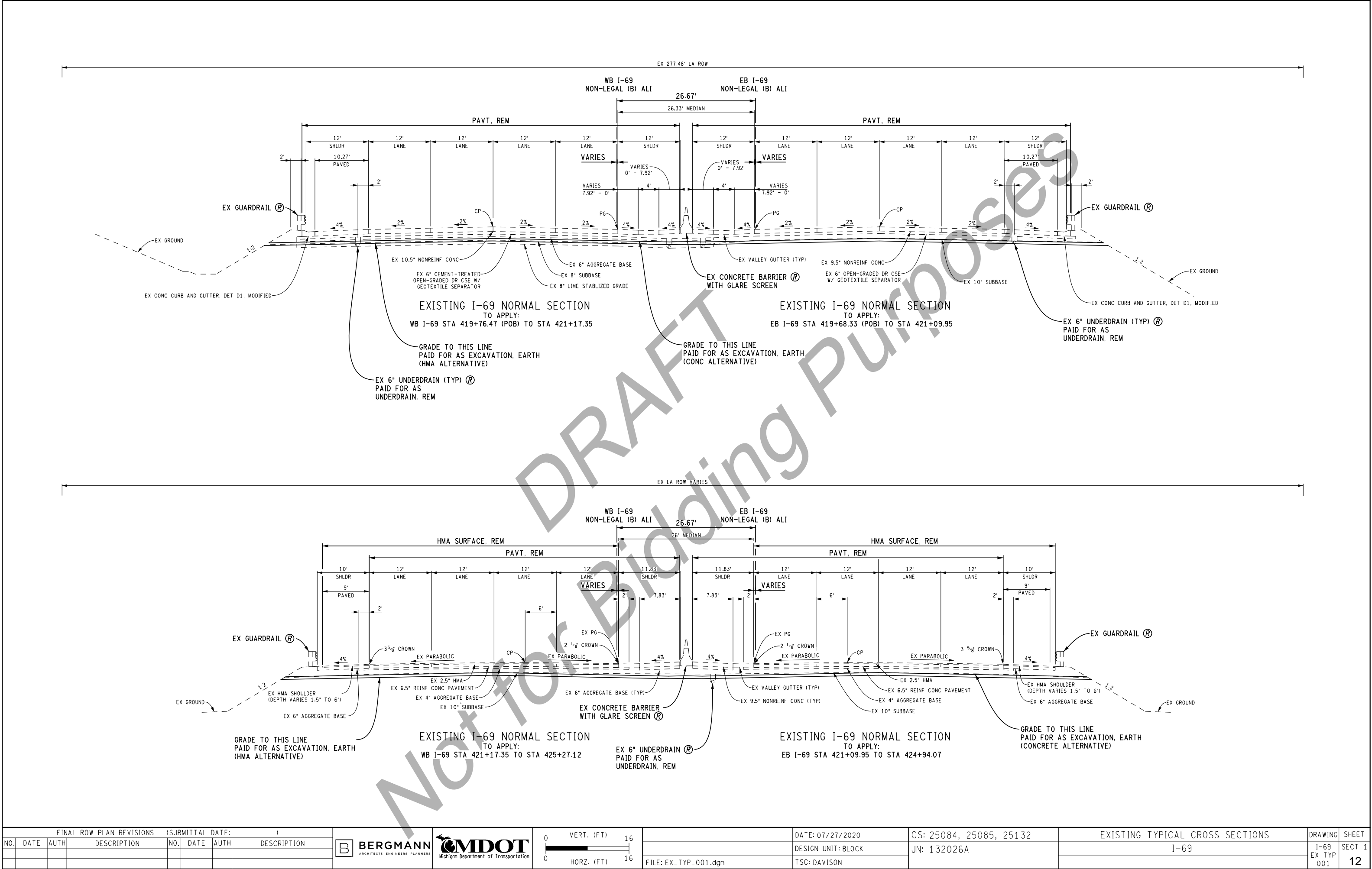
Michigan Department of Transportation

NO SCALE

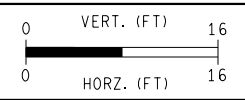
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DATE: 07/27/2020
DESIGN UNIT: BLOCK
TSC: DAVISON

CS: 25084, 25085, 25132
JN: 132026A, 201632A,
204861A



FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)					
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE

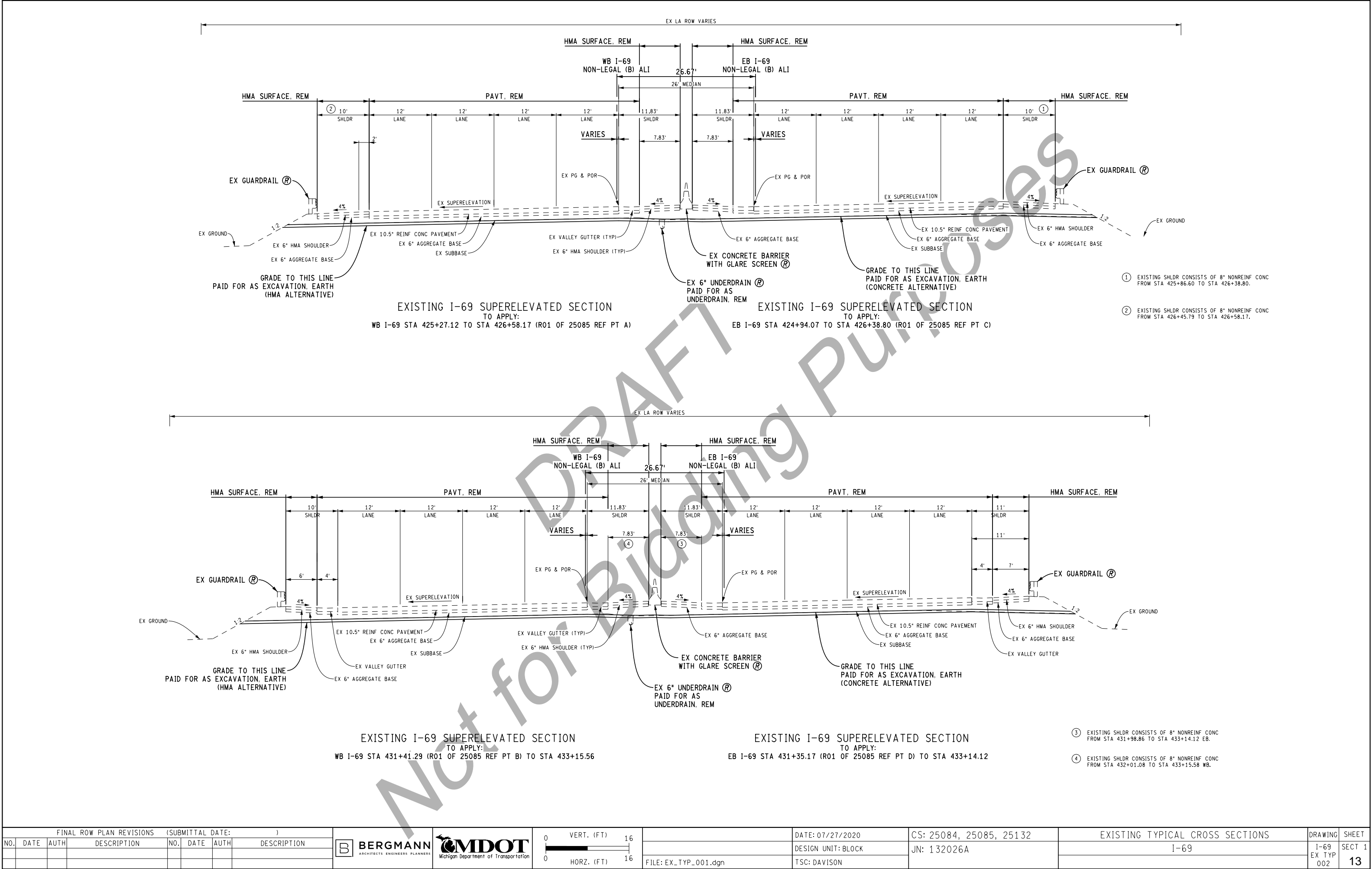


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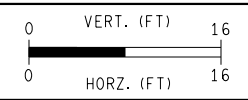
DATE: 07/27/2020
DESIGN UNIT: BLOCK
TSC: DAVISON

CS: 25084, 25085, 25132
JN: 132026A

EXISTING TYPICAL CROSS SECTIONS		DRAWING	SHEET
I-69		I-69 EX TYP 001	12



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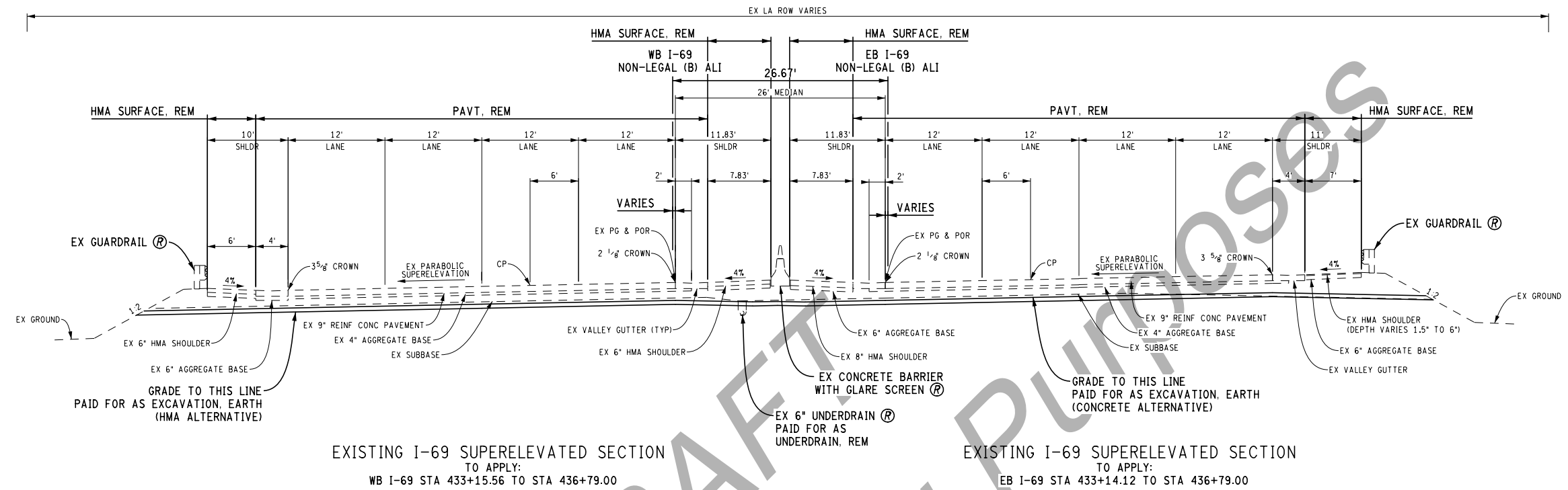


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DATE: 07/27/2020
DESIGN UNIT: BLOCK
TSC: DAVISON

CS: 25084, 25085, 25132
JN: 132026A

EXISTING TYPICAL CROSS SECTIONS		DRAWING	SHEET
I-69		I-69 EX TYP 002	13



FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)																	
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION									DRAWING	SHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

MDOT
Michigan Department of Transportation

0 VERT. (FT) 16
0 HORZ. (FT) 16

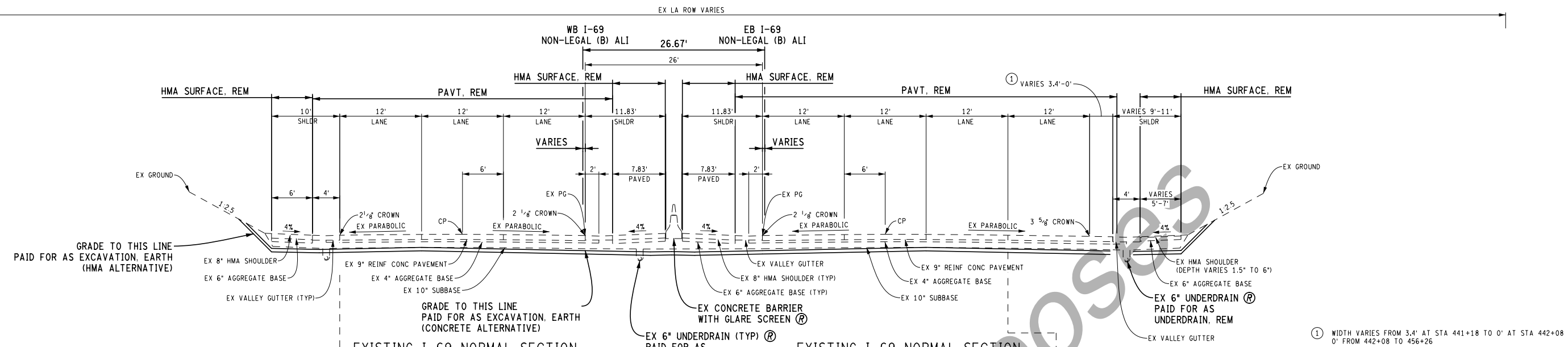
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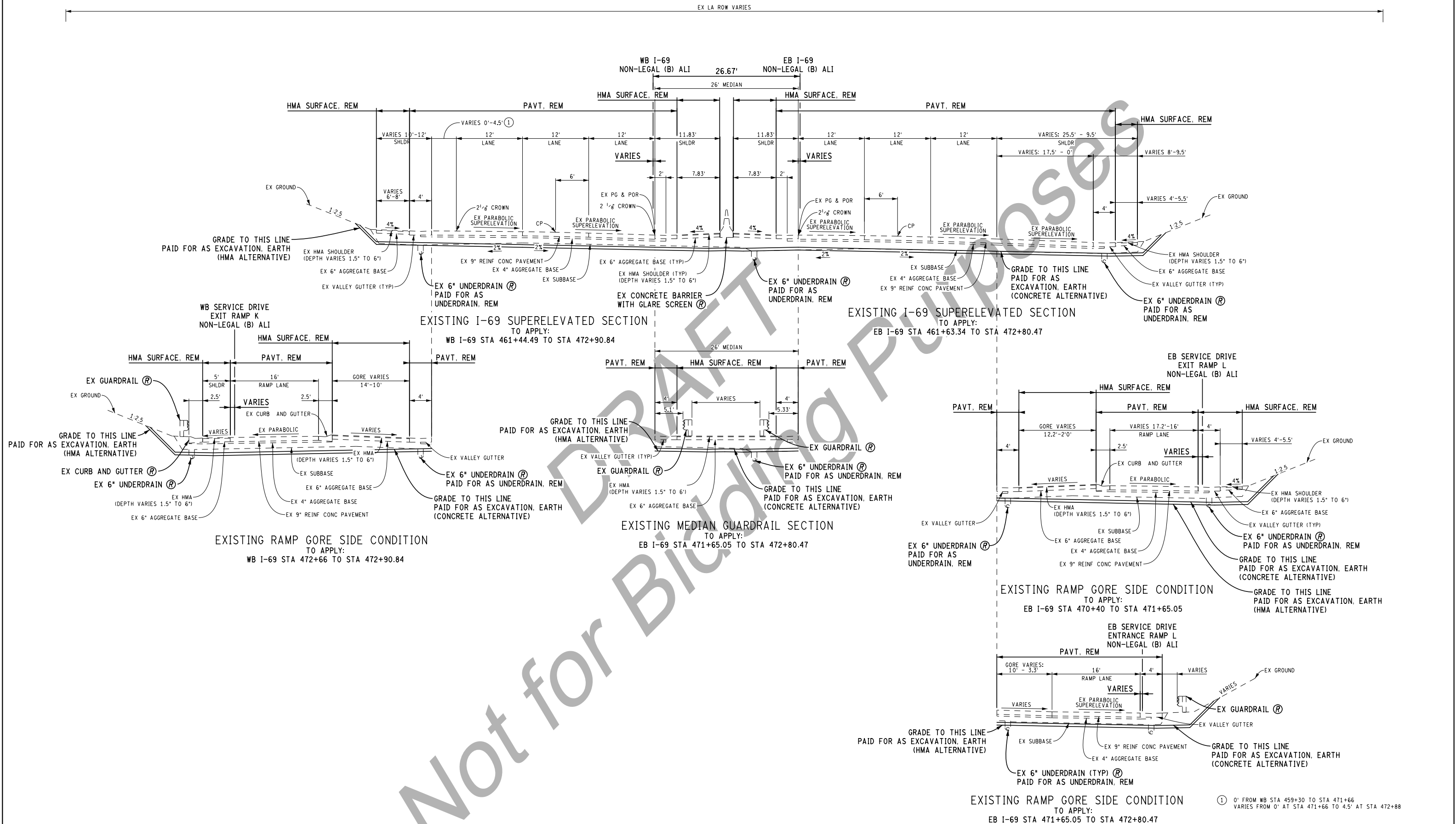
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DESIGN UNIT: BLOCK
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JN: 132026A

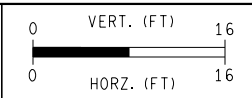
EXISTING TYPICAL CROSS SECTIONS
I-69

DRAWING SHEET
I-69 EX TYP 003
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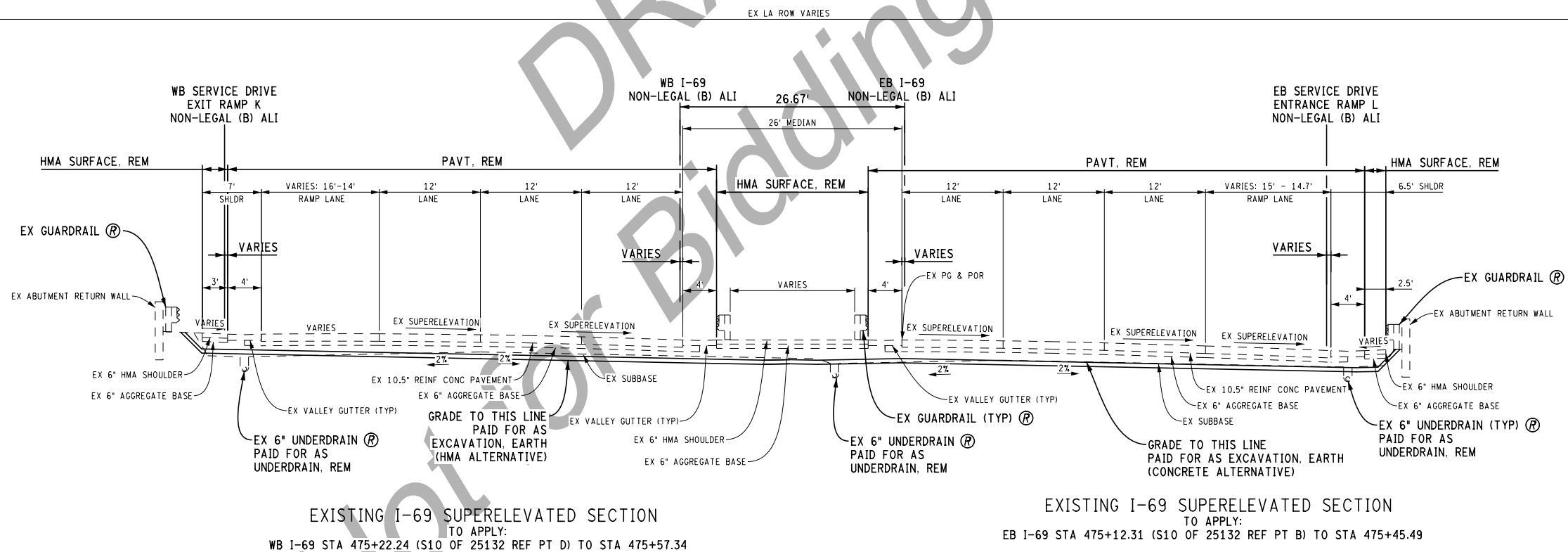



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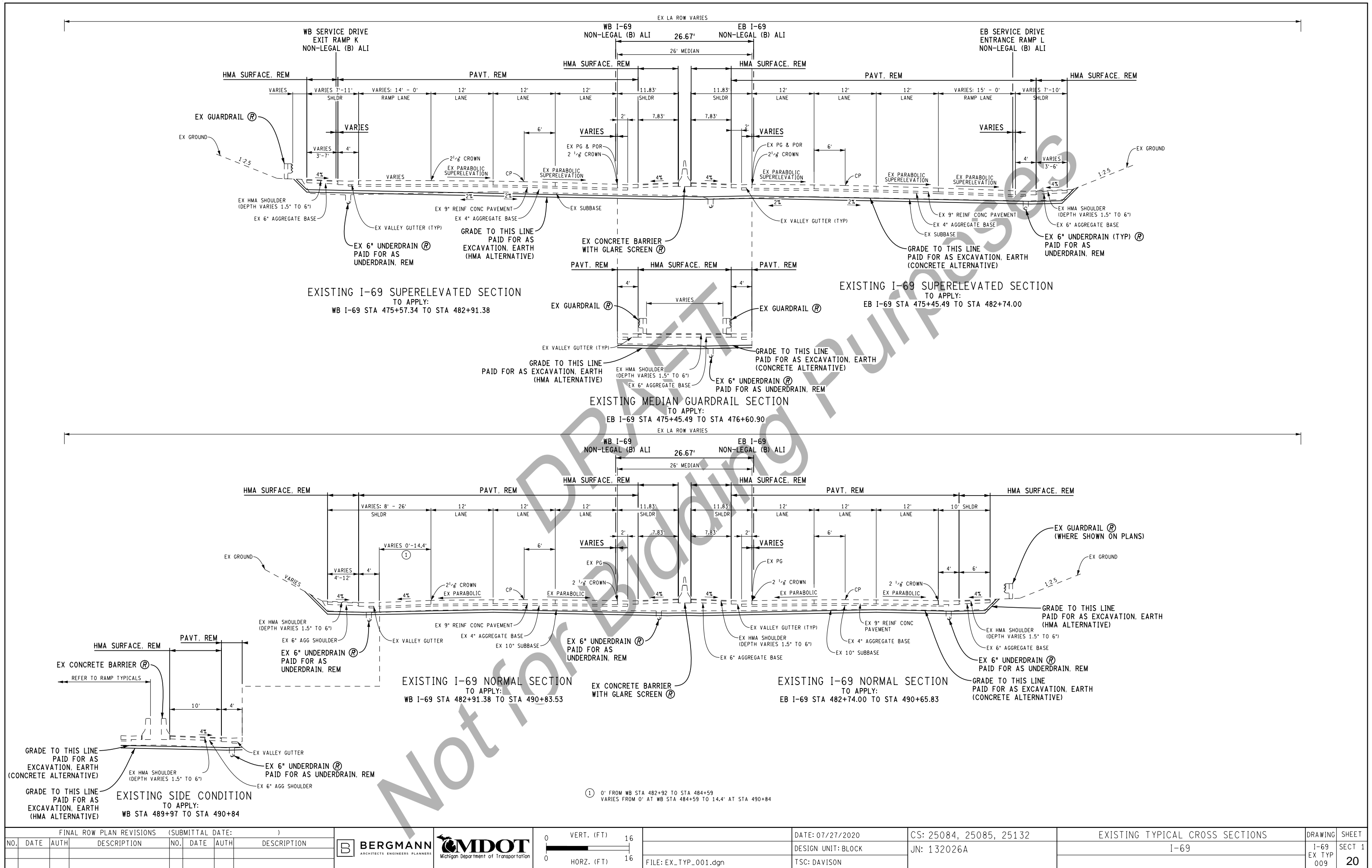
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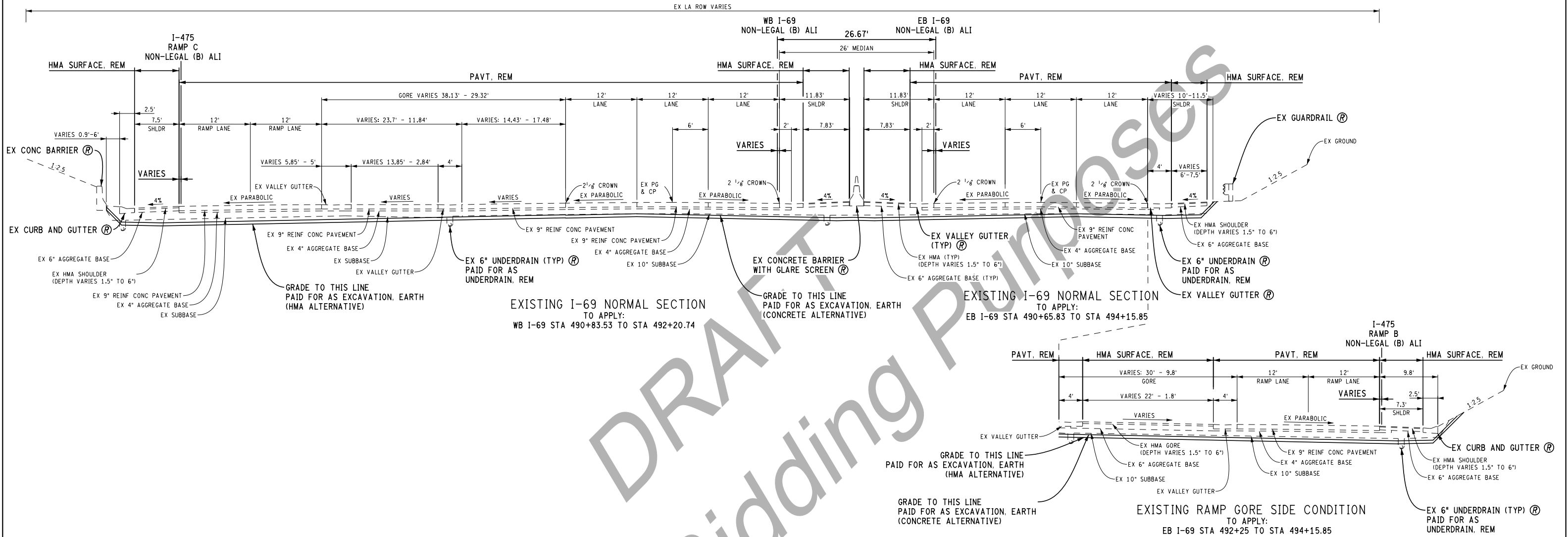
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JN: 132026A

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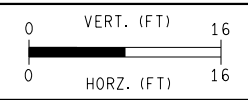


FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)										<div><div>B</div><div>BERGMANN ARCHITECTS ENGINEERS PLANNERS</div></div> <div><div>MDOT Michigan Department of Transportation</div></div>		<div><div>0</div><div>VERT. (FT)</div><div>16</div></div> <div><div>0</div><div>HORZ. (FT)</div><div>16</div></div>				DATE: 07/27/2020		CS: 25084, 25085, 25132		EXISTING TYPICAL CROSS SECTIONS		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION			NO.	DATE	AUTH	DESCRIPTION							DESIGN UNIT: BLOCK		JN: 132026A		I-69		I-69 EX TYP 008	SECT 1
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FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)					
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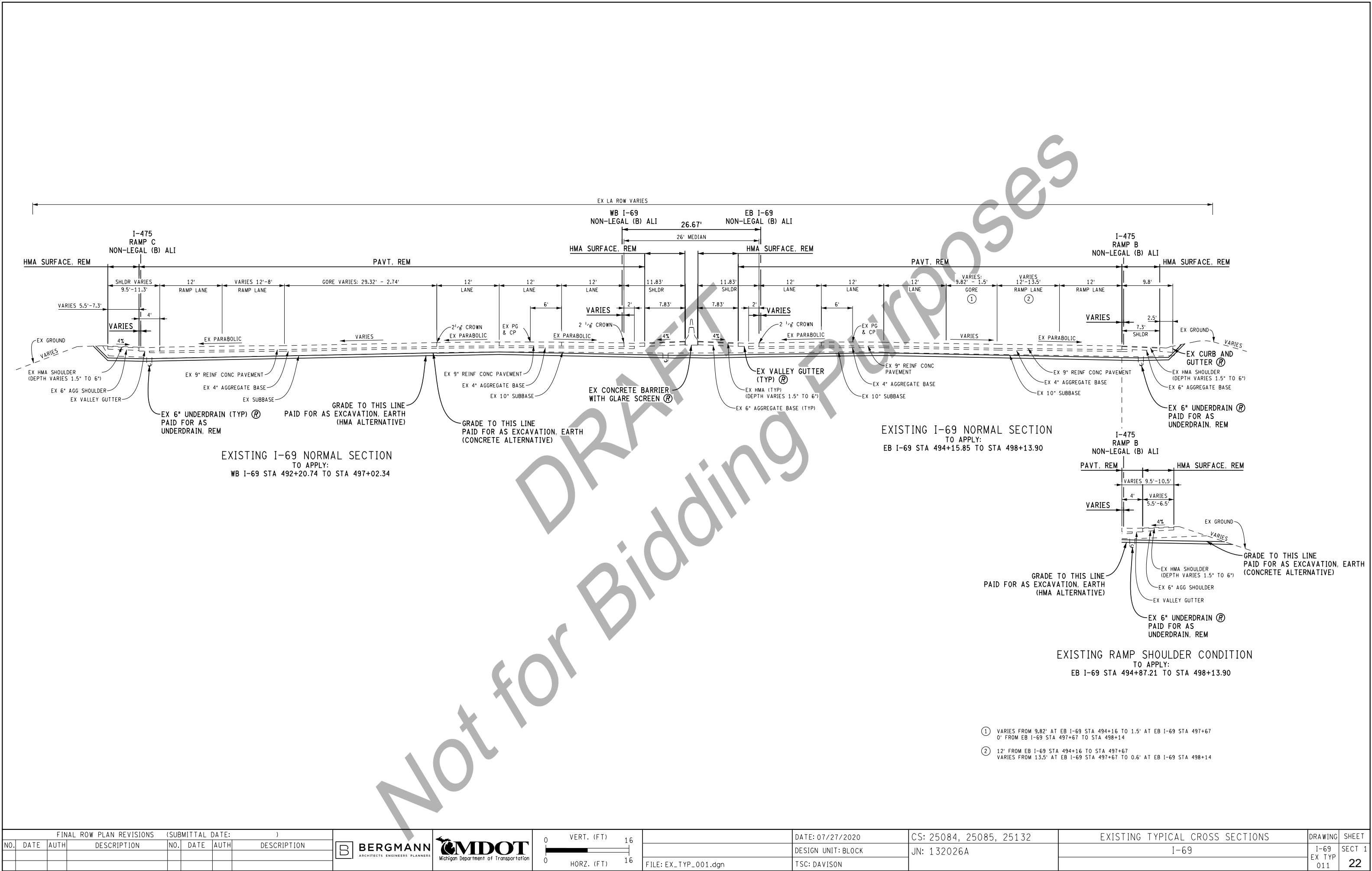


FILE: EX_TYP_001.dgn

DATE: 07/27/2020
DESIGN UNIT: BLOCK
TSC: DAVISON

CS: 25084, 25085, 25132
JN: 132026A

EXISTING TYPICAL CROSS SECTIONS		DRAWING	SHEET
I-69		I-69 EX TYP 010	SECT 1 21



EXISTING I-69 NORMAL SECTION
TO APPLY:
WB I-69 STA 492+20.74 TO STA 497+02.34

EXISTING I-69 NORMAL SECTION
TO APPLY:
EB I-69 STA 494+15.85 TO STA 498+13.90

GRADE TO THIS LINE
PAID FOR AS EXCAVATION, EARTH
(HMA ALTERNATIVE)

EXISTING RAMP SHOULDER CONDITION
TO APPLY:
EB I-69 STA 494+87.21 TO STA 498+13.90

- ① VARIES FROM 9.82' AT EB I-69 STA 494+16 TO 1.5' AT EB I-69 STA 497+67
0' FROM EB I-69 STA 497+67 TO STA 498+14
- ② 12' FROM EB I-69 STA 494+16 TO STA 497+67
VARIES FROM 13.5' AT EB I-69 STA 497+67 TO 0.6' AT EB I-69 STA 498+14

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)					
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE

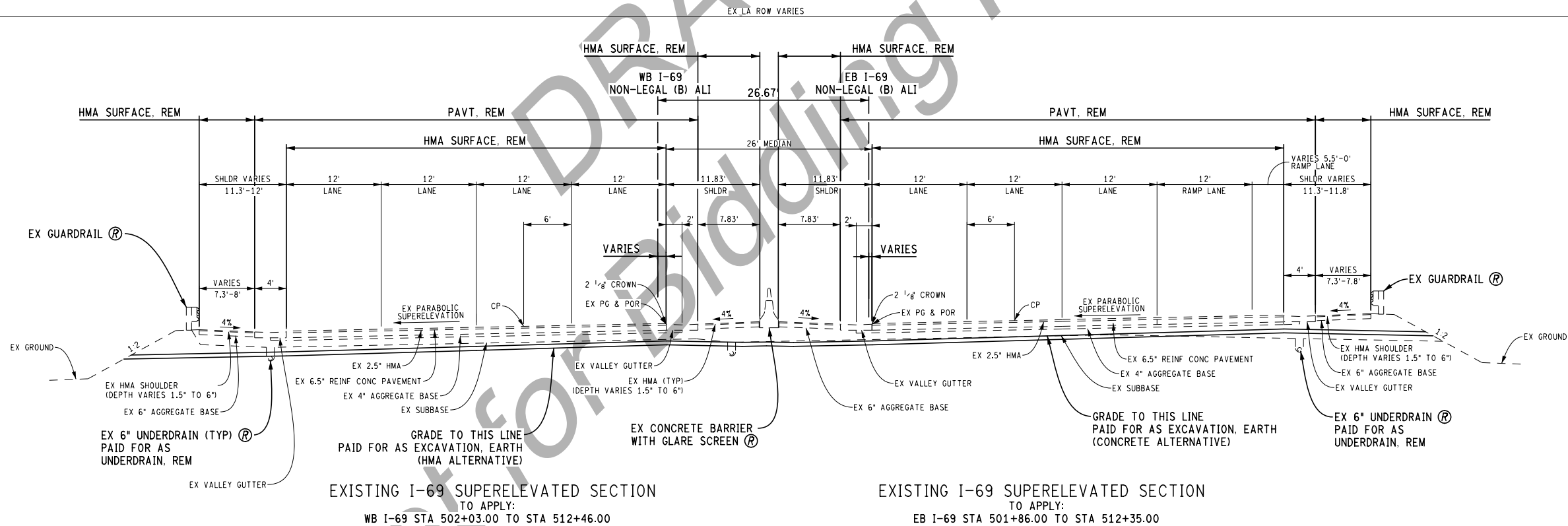
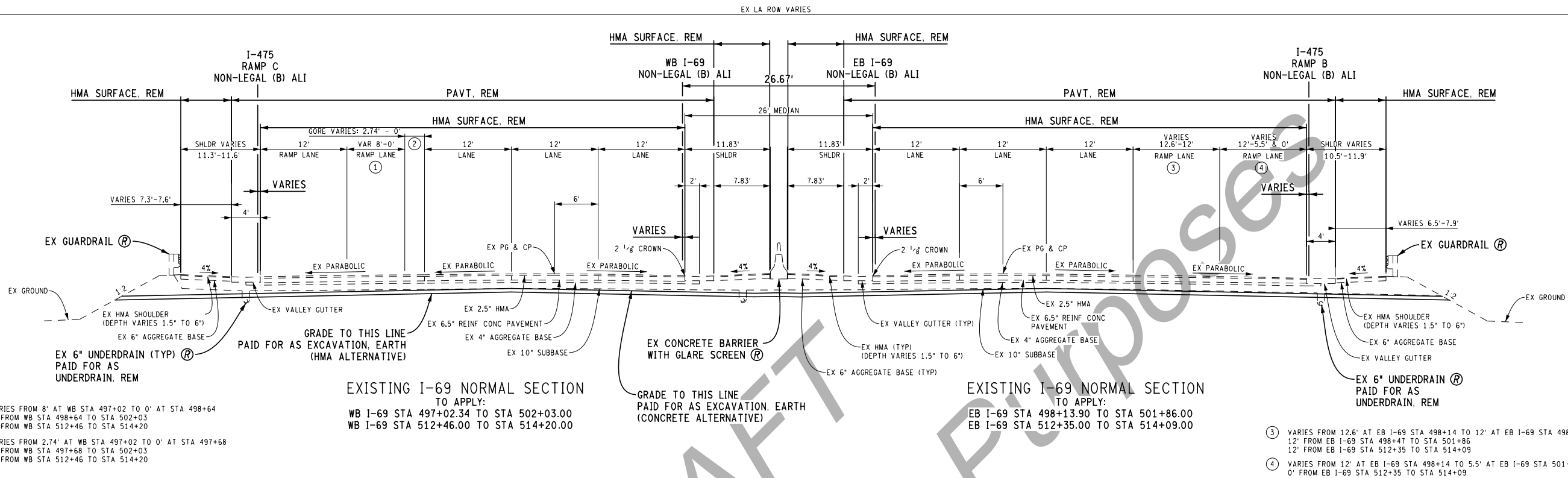


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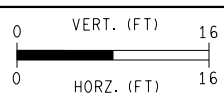
DATE: 07/27/2020
DESIGN UNIT: BLOCK
TSC: DAVISON

CS: 25084, 25085, 25132
JN: 132026A

EXISTING TYPICAL CROSS SECTIONS		DRAWING	SHEET
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FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)					
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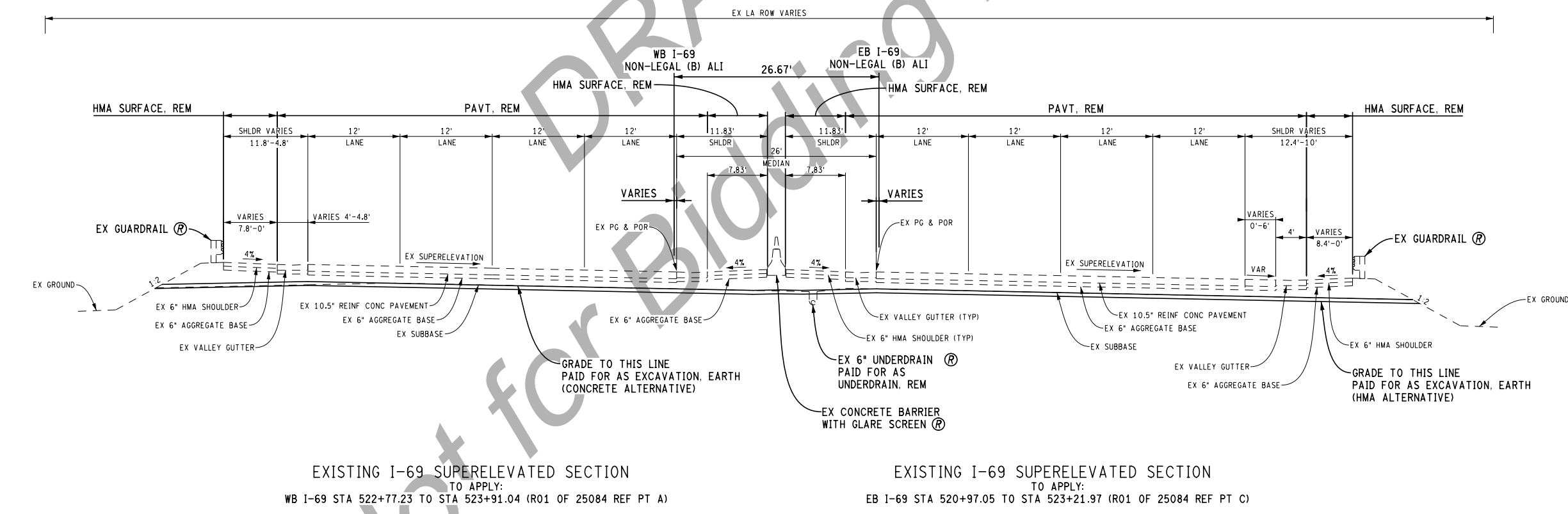
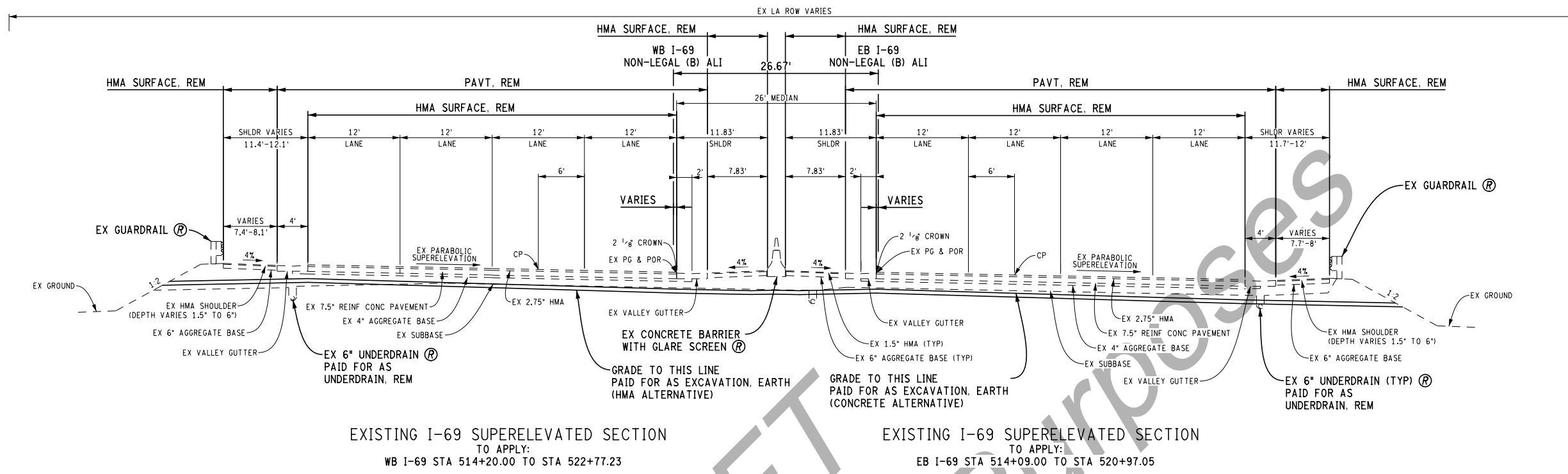


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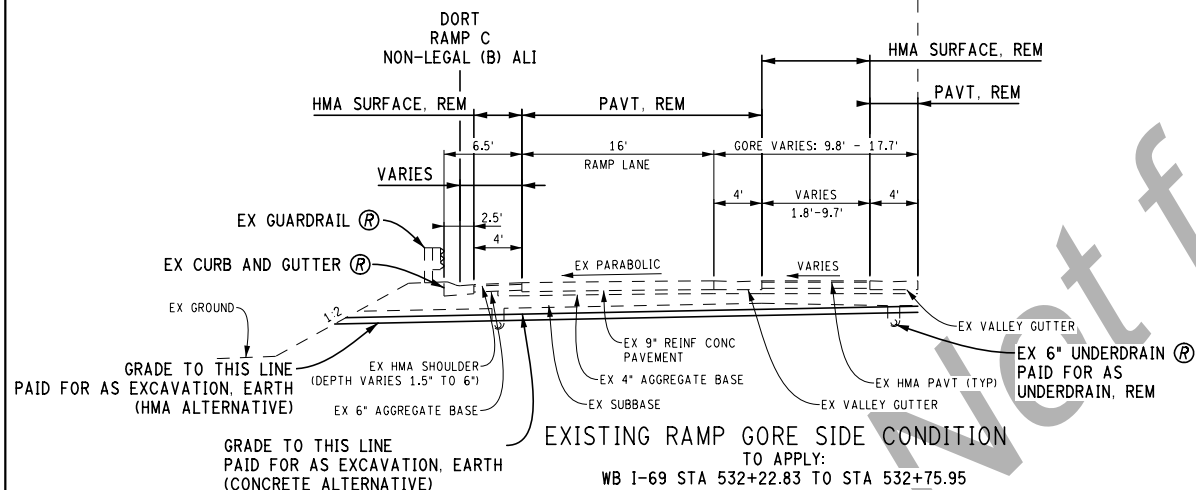
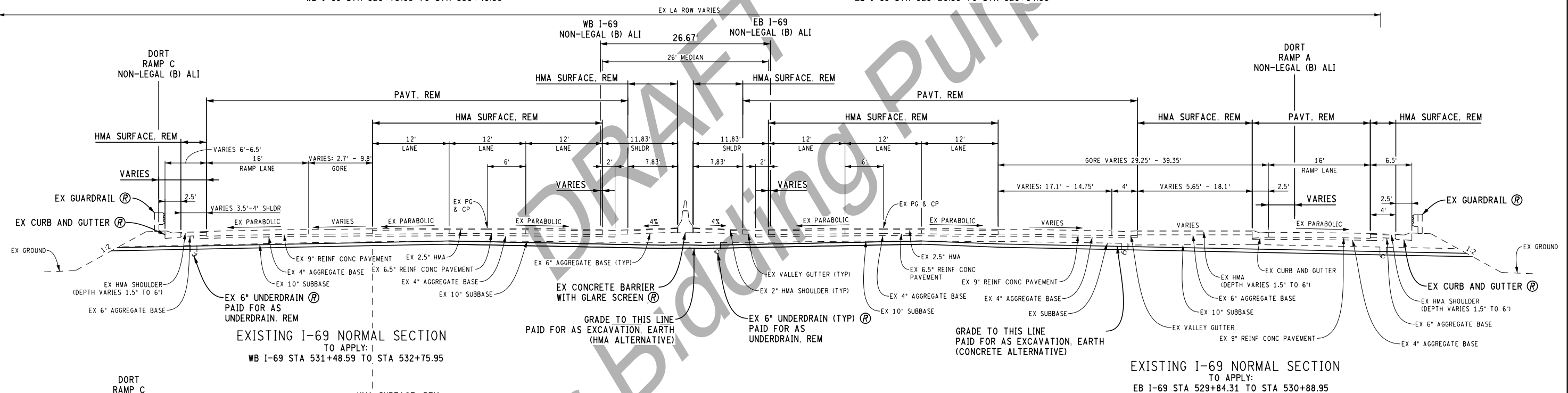
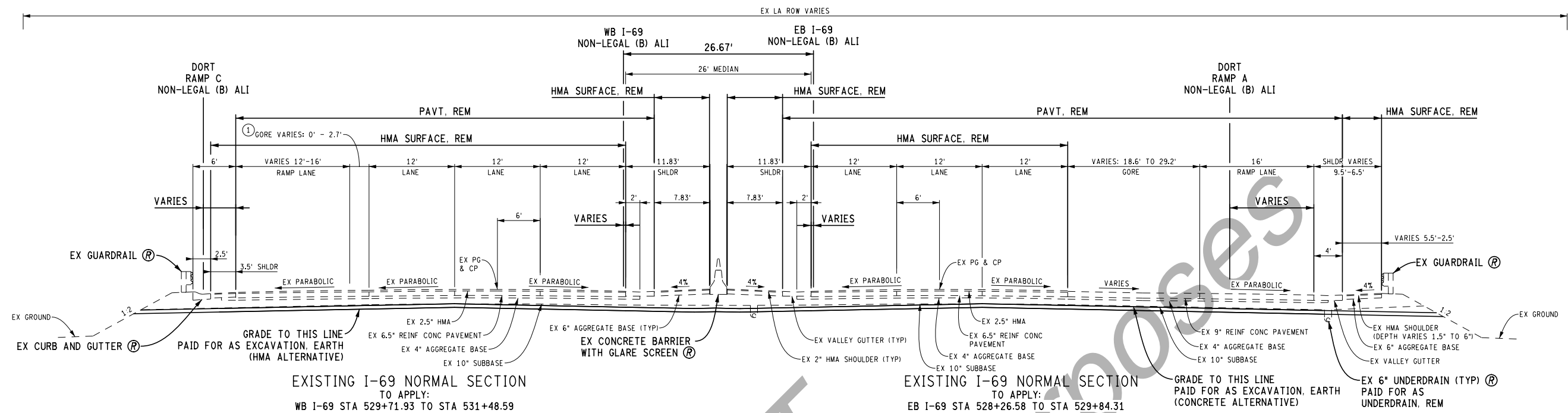
CS: 25084, 25085, 25132
JN: 132026A

EXISTING TYPICAL CROSS SECTIONS		DRAWING	SHEET
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FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)										 	DATE: 07/27/2020	CS: 25084, 25085, 25132	EXISTING TYPICAL CROSS SECTIONS	DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION				DESIGN UNIT: BLOCK	JN: 132026A	I-69	I-69 EX TYP 014	SECT 1
											FILE: EX_TYP_001.dgn	TSC: DAVISON			25



① VARIES FROM 0' AT WB STA 530+95 TO 2.7' AT WB STA 531+48.59

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)										EXISTING TYPICAL CROSS SECTIONS		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION			I-69		I-69	SECT 1
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0

VERT. (FT)

16

0

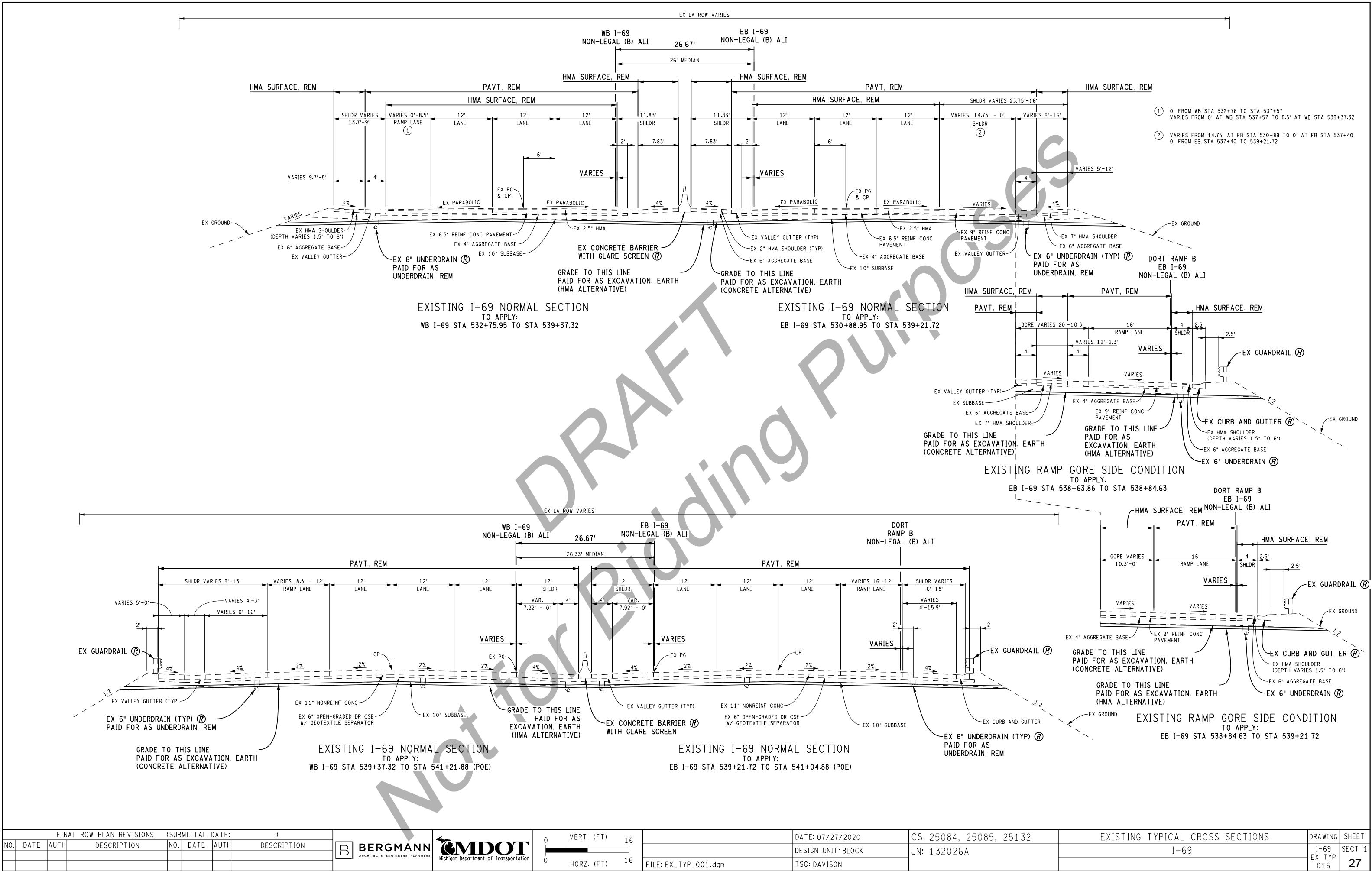
HORZ. (FT)

16

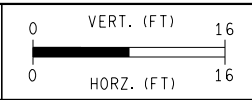
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DESIGN UNIT: BLOCK
TSC: DAVISON

CS: 25084, 25085, 25132
JN: 132026A

FILE: EX_TYP_001.dgn



FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)					
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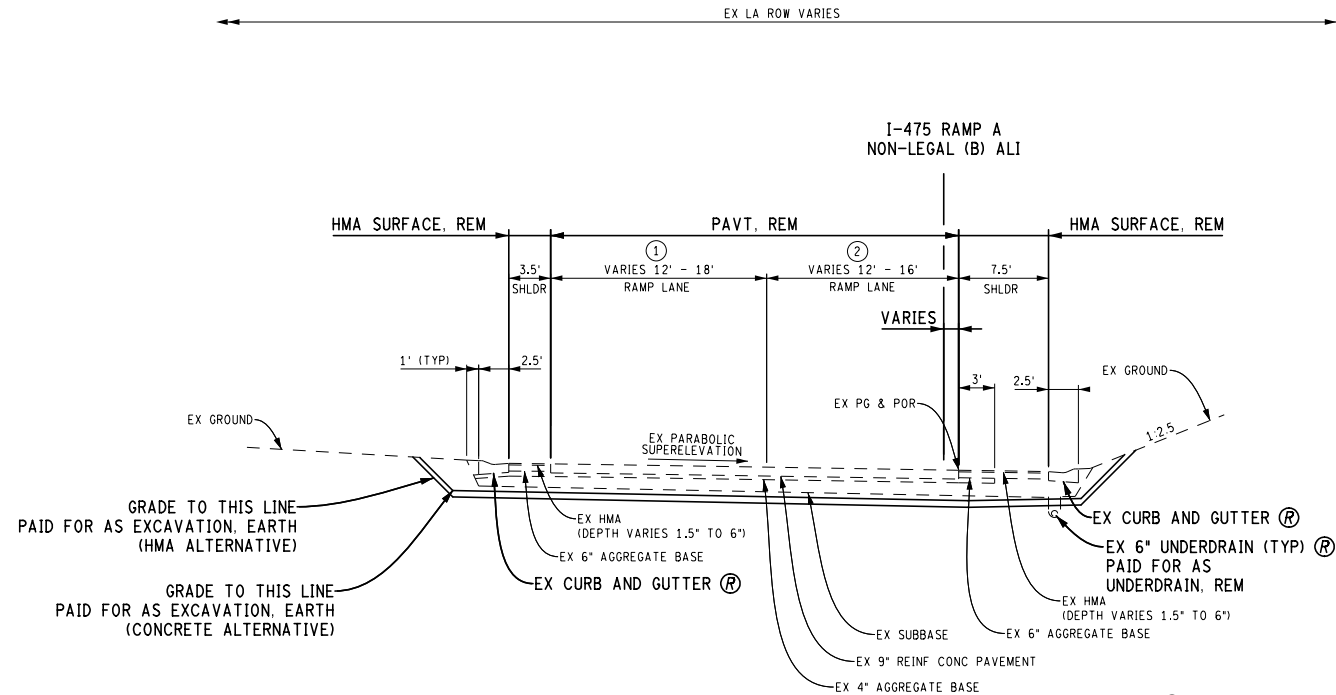


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DESIGN UNIT: BLOCK
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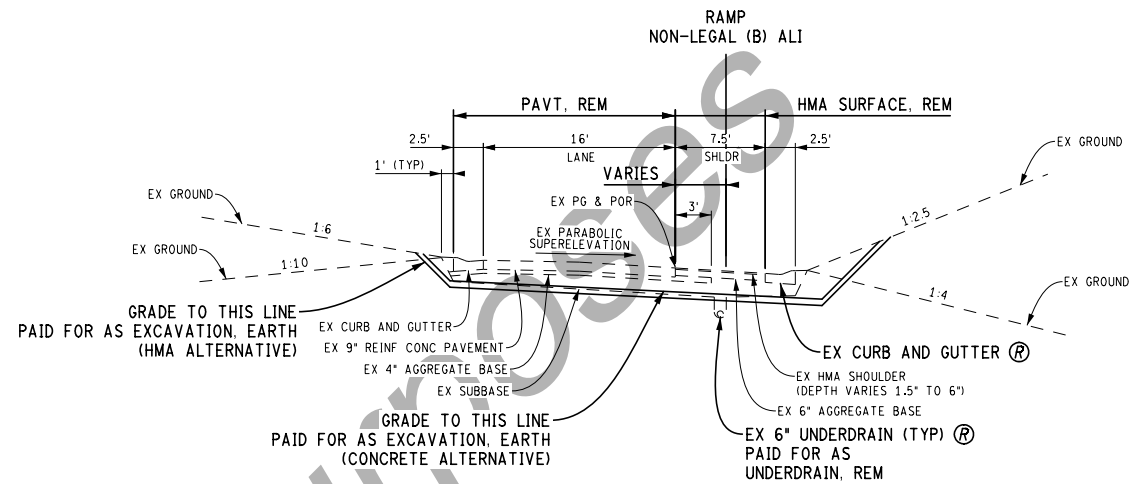
CS: 25084, 25085, 25132
JN: 132026A

EXISTING TYPICAL CROSS SECTIONS		DRAWING	SHEET
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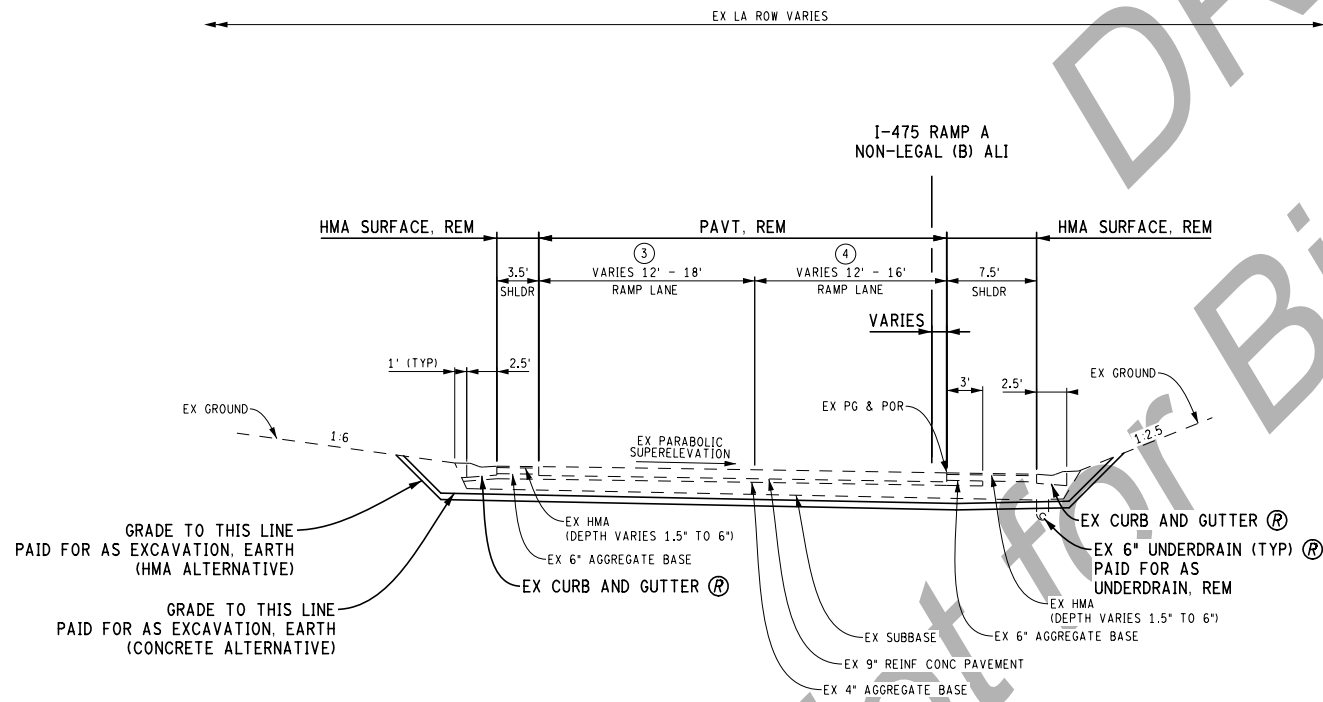
EXISTING RAMP SUPERELEVATED SECTION
TO APPLY:
I-475 RAMP A STA 108+97 TO STA 112+88

- ① 12' FROM STA 108+97 TO STA 111+13
WIDTH VARIES FROM 12' AT STA 111+13 TO 18' AT STA 112+88
- ② 12' FROM STA 108+97 TO STA 111+13
WIDTH VARIES FROM 12' AT STA 111+13 TO 16' AT STA 112+88



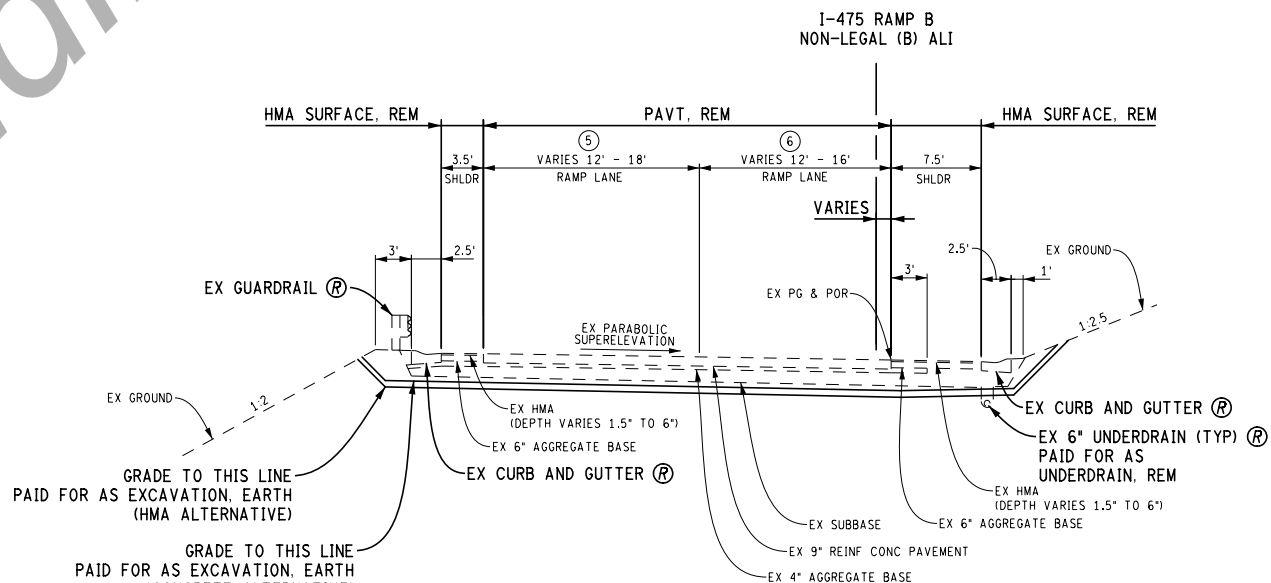
EXISTING RAMP SUPERELEVATED SECTION
TO APPLY:

- I-475 RAMP A STA 113+71 TO STA 119+19
I-475 RAMP B STA 212+26 TO STA 219+67
I-475 RAMP C STA 317+06 TO STA 320+17



EXISTING RAMP SUPERELEVATED SECTION
TO APPLY:
I-475 RAMP A STA 120+20 TO STA 123+83

- ③ WIDTH VARIES FROM 18' AT STA 120+20 TO 12' AT STA 122+38
12' FROM STA 122+38 TO STA 123+83
- ④ WIDTH VARIES FROM 16' AT STA 120+20 TO 12' AT STA 122+38
12' FROM STA 122+38 TO STA 123+83

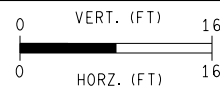


EXISTING RAMP SUPERELEVATED SECTION
TO APPLY:

- I-475 RAMP B STA 206+02 TO STA 210+34

- ⑤ 12' FROM STA 206+02 TO STA 207+74
WIDTH VARIES FROM 12' AT STA 207+74 TO 18' AT STA 210+34
- ⑥ 12' FROM STA 206+02 TO STA 207+74
WIDTH VARIES FROM 12' AT STA 207+74 TO 16' AT STA 210+34

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)					
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE



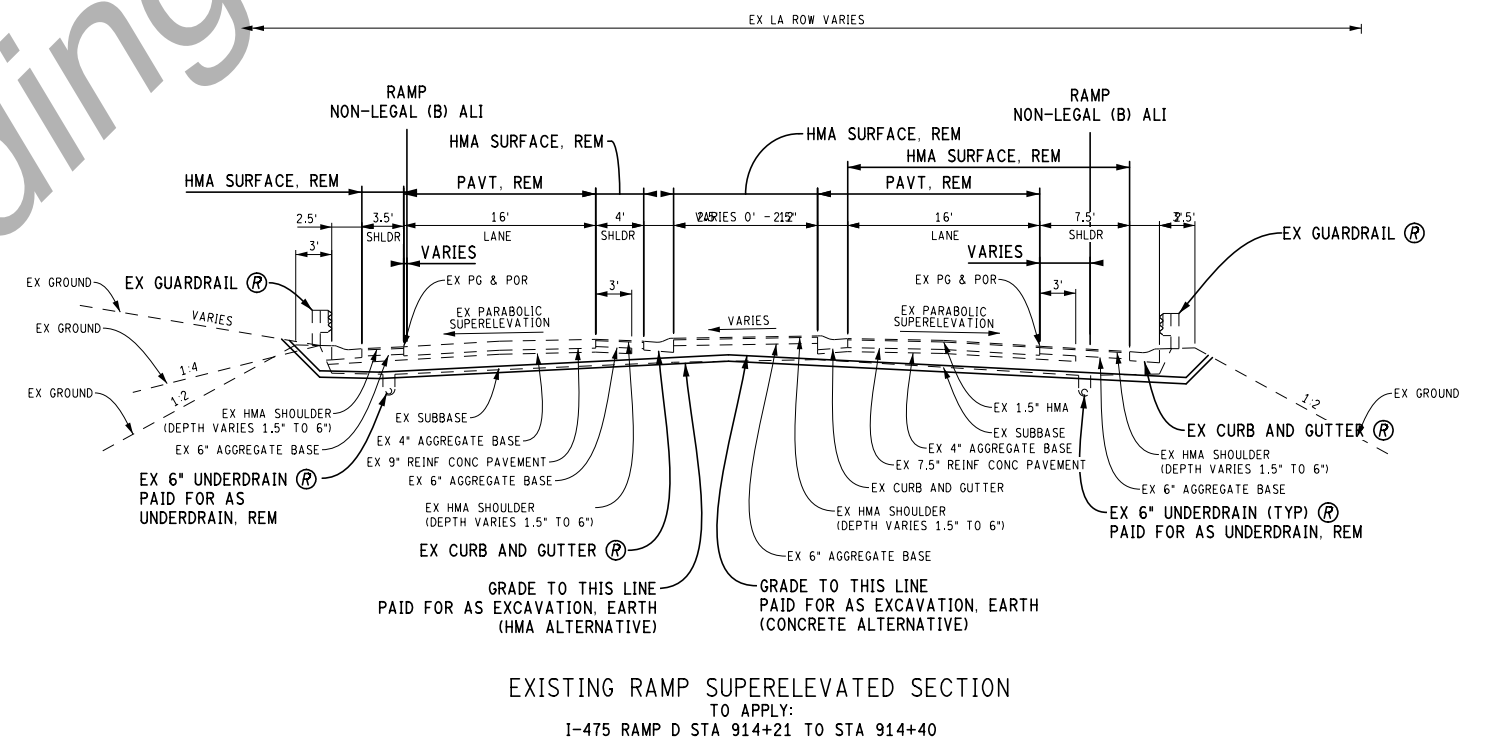
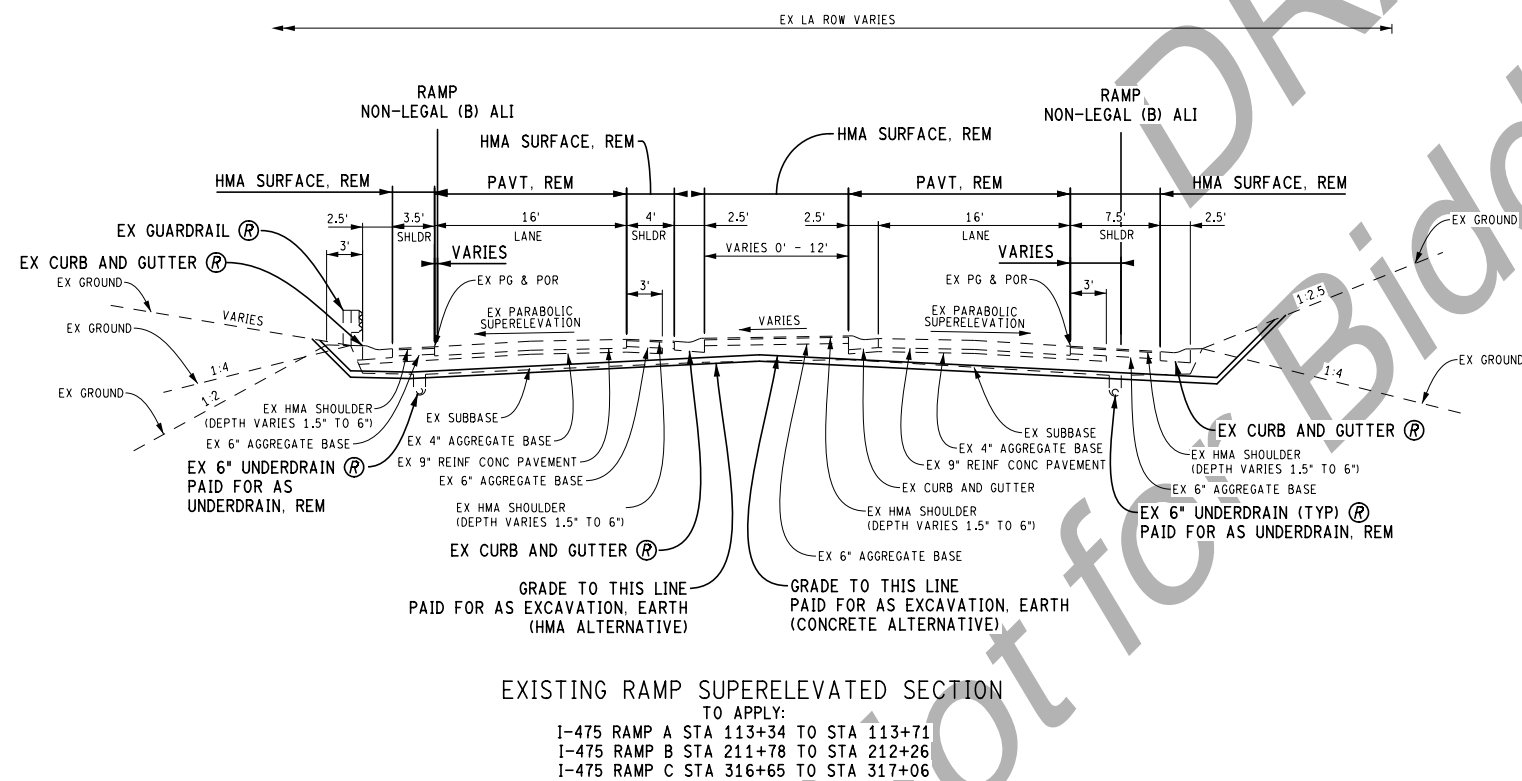
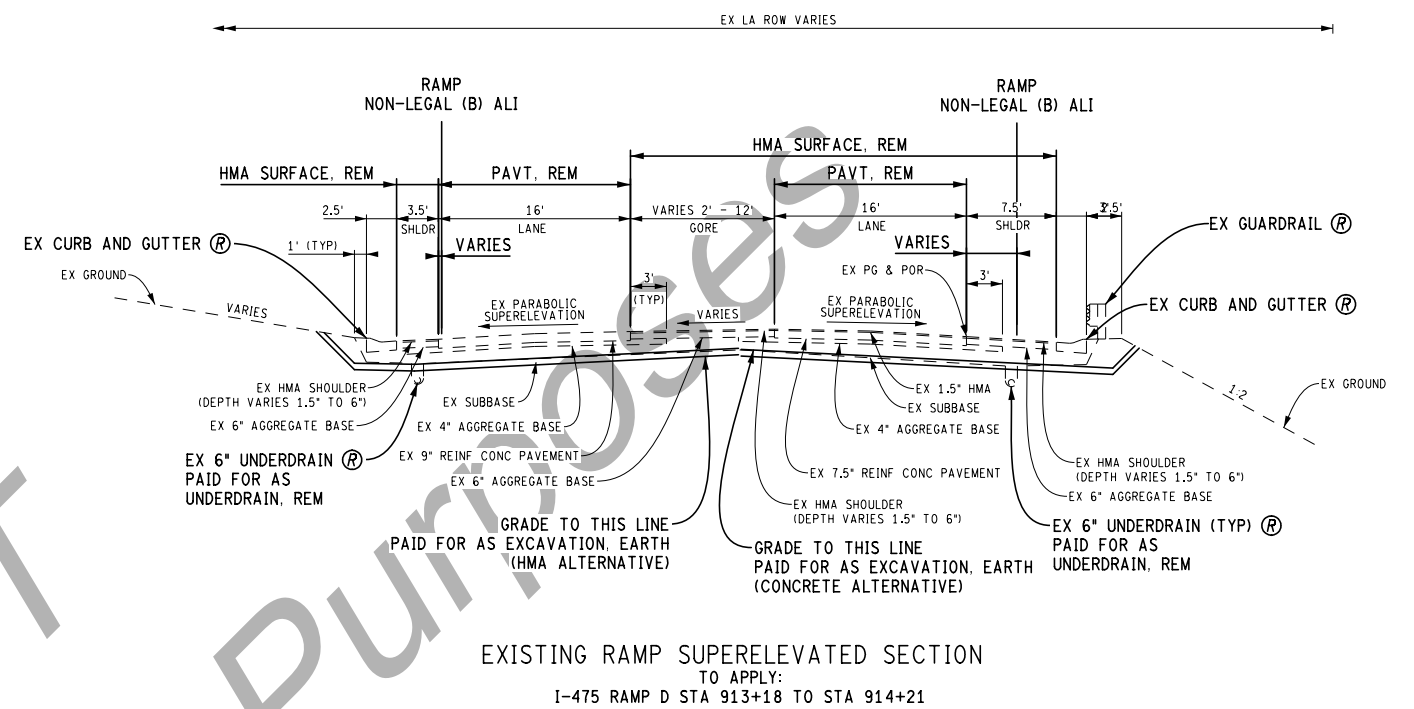
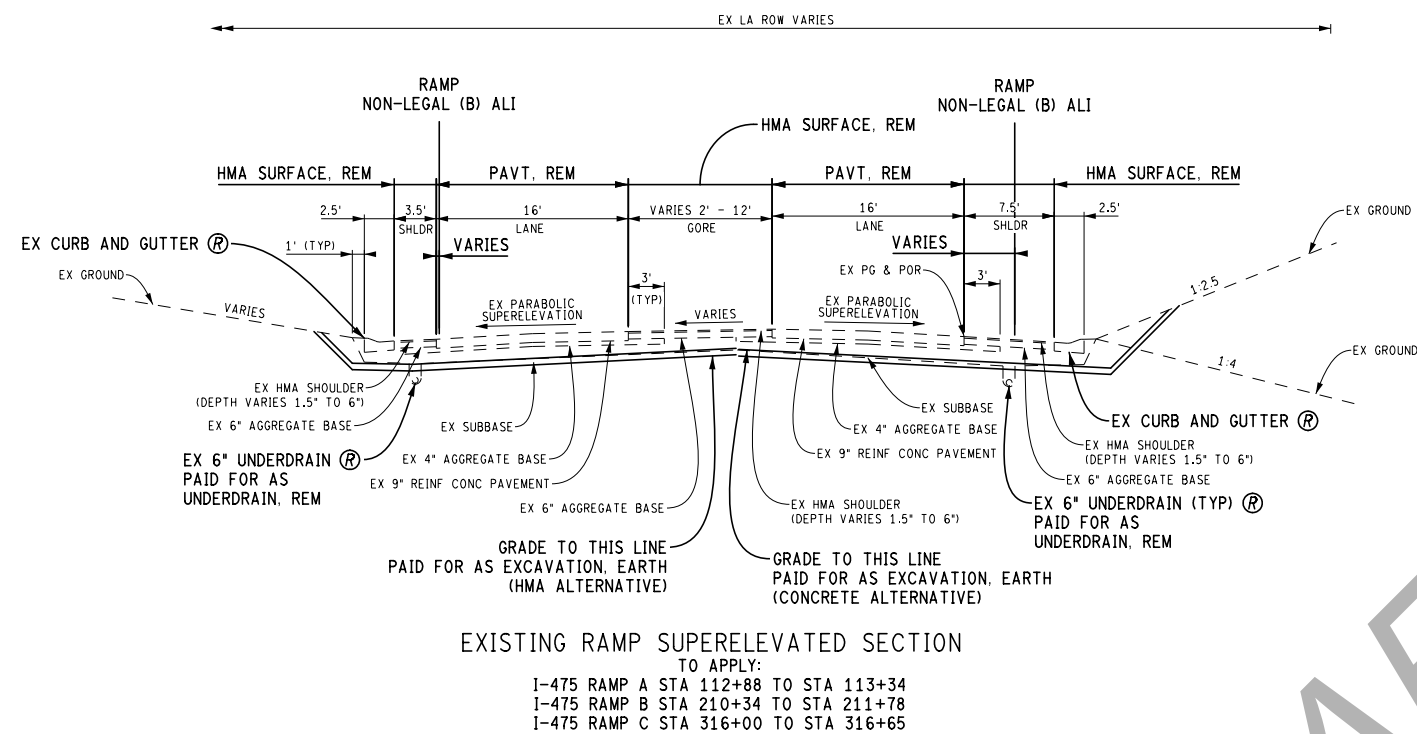
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DATE: 07/27/2020
DESIGN UNIT: BLOCK
TSC: DAVISON

CS: 25084, 25085, 25132
JN: 132026A

EXISTING TYPICAL CROSS SECTIONS
I-69/I-475 INTERCHANGE RAMP

DRAWING SHEET
I-69
EX TYP
017
28



FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)							
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION



FILE: EX_TYP_002.dgn

DATE: 07/27/2020

DESIGN UNIT: BLOCK

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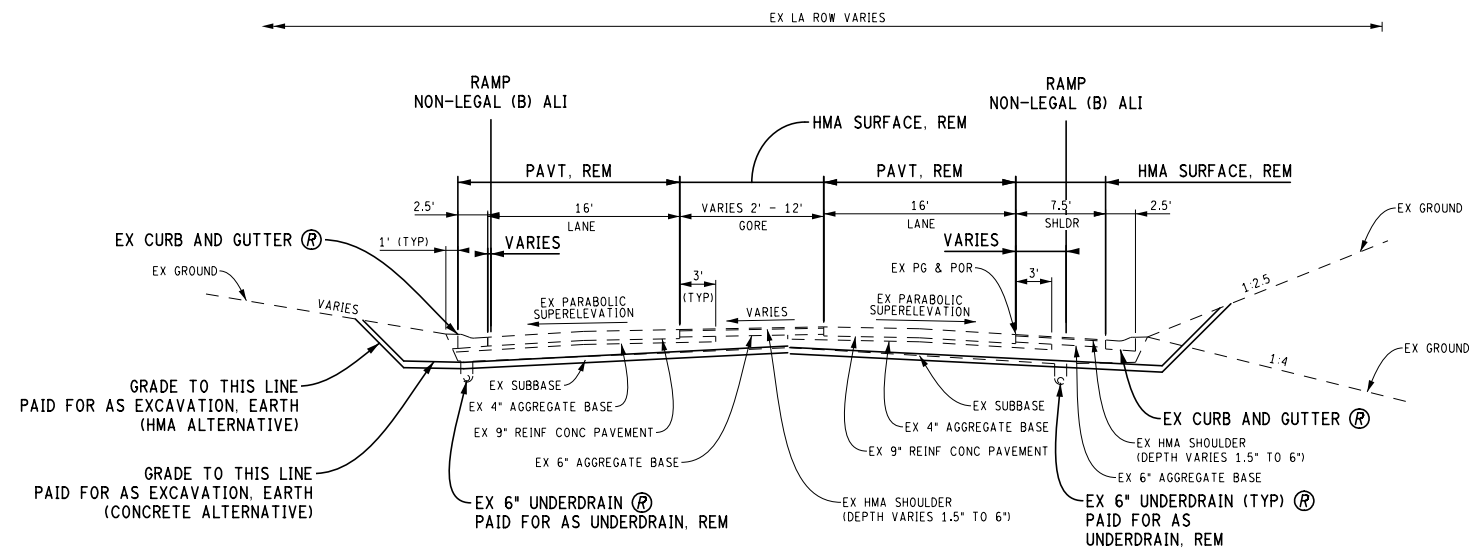
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I-69/I-475 INTERCHANGE RAMPS

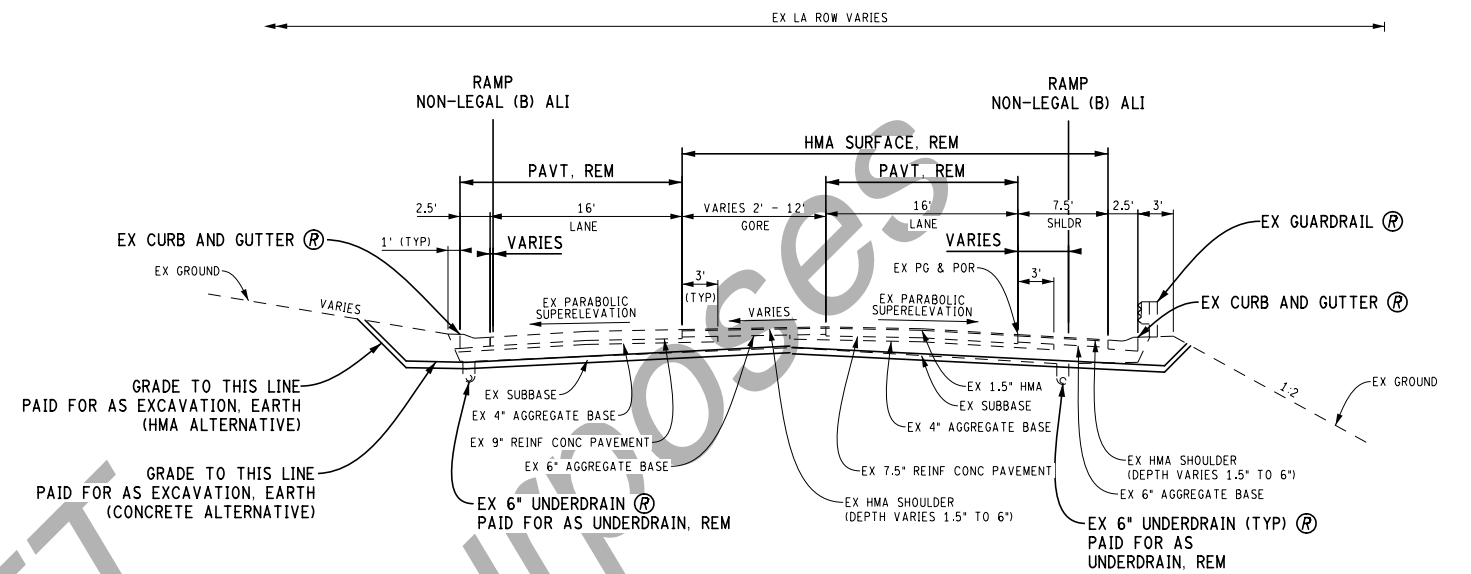
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I-69	SECT 1
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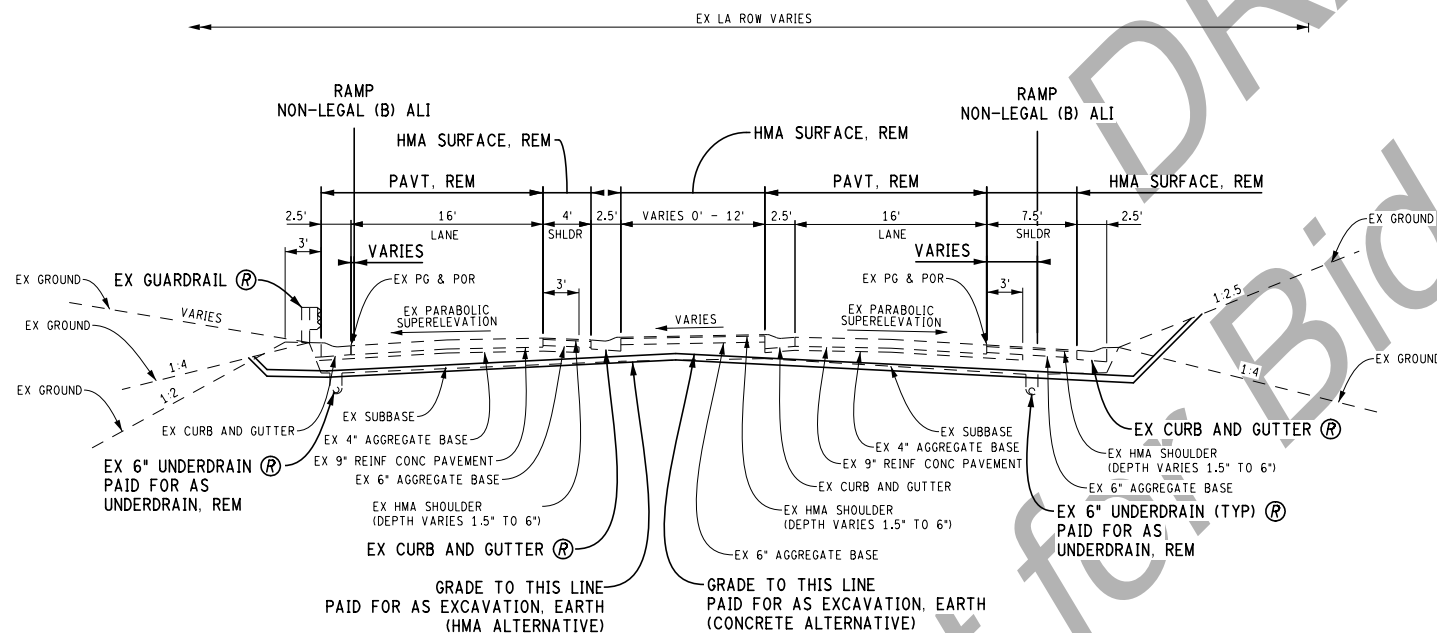
EX TYP	29
018	



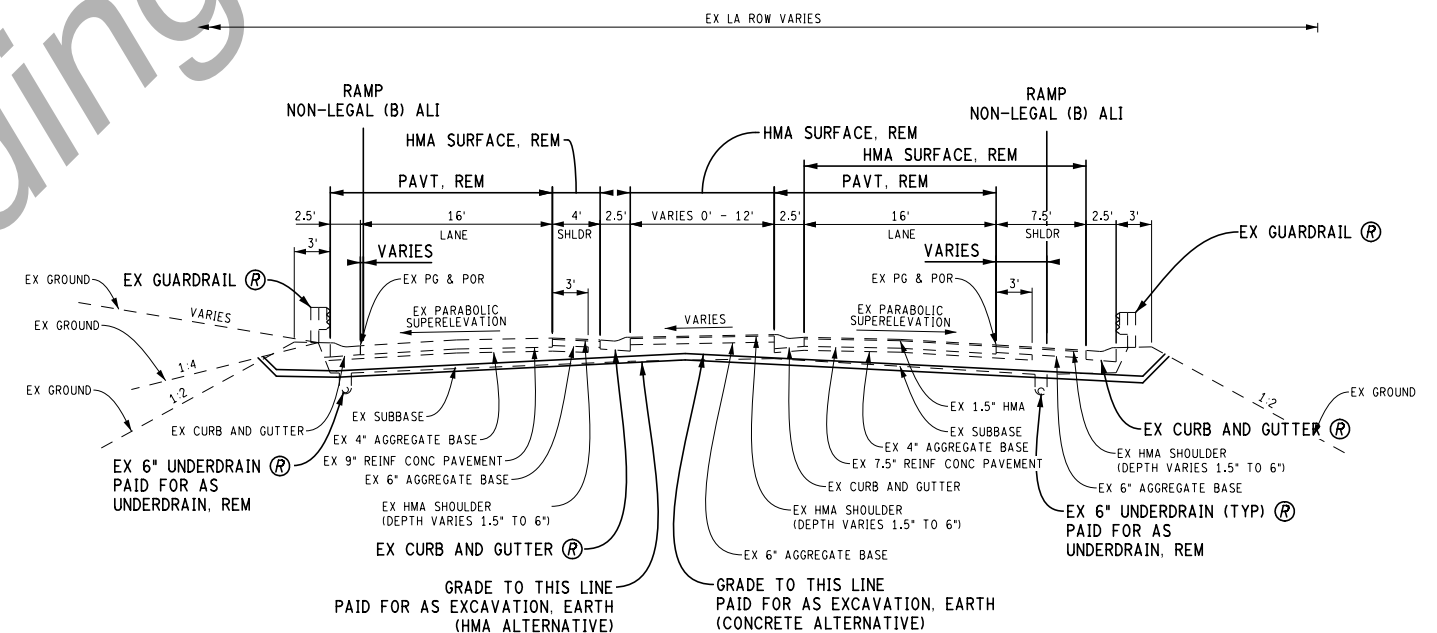
EXISTING RAMP SUPERELEVATED SECTION
TO APPLY:
I-475 RAMP A STA 119+67 TO STA 120+20
I-475 RAMP B STA 220+75 TO STA 221+77
I-475 RAMP C STA 328+00 TO STA 328+60



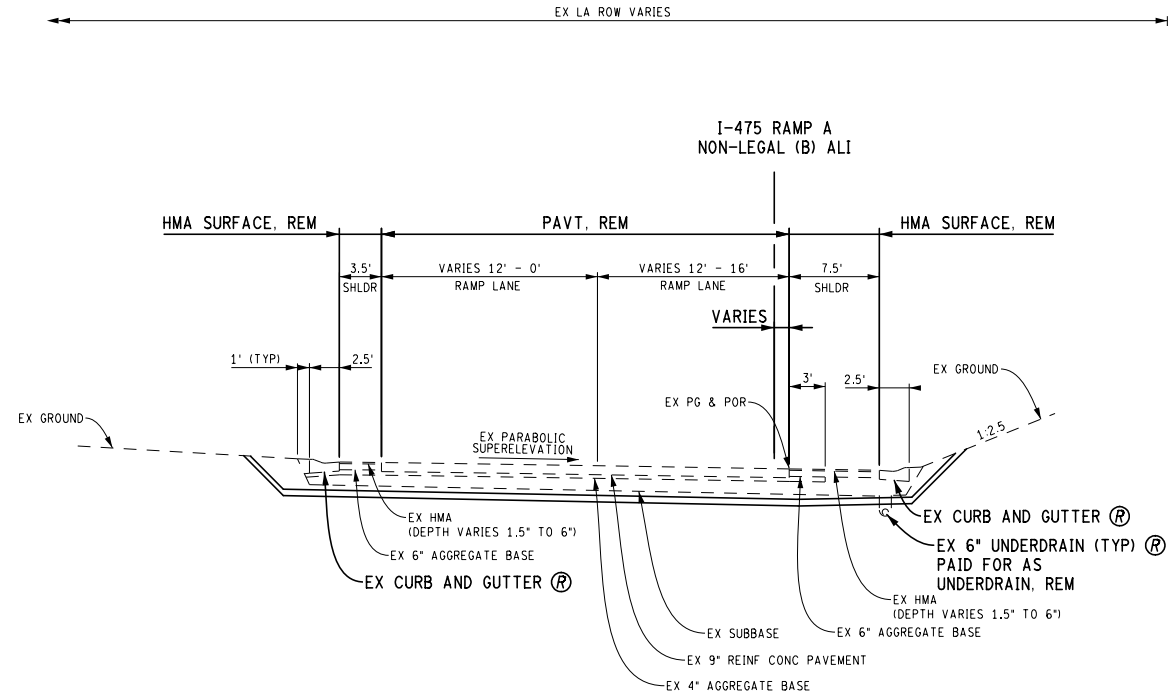
EXISTING RAMP SUPERELEVATED SECTION
TO APPLY:
I-475 RAMP D STA 920+64 TO STA 921+27



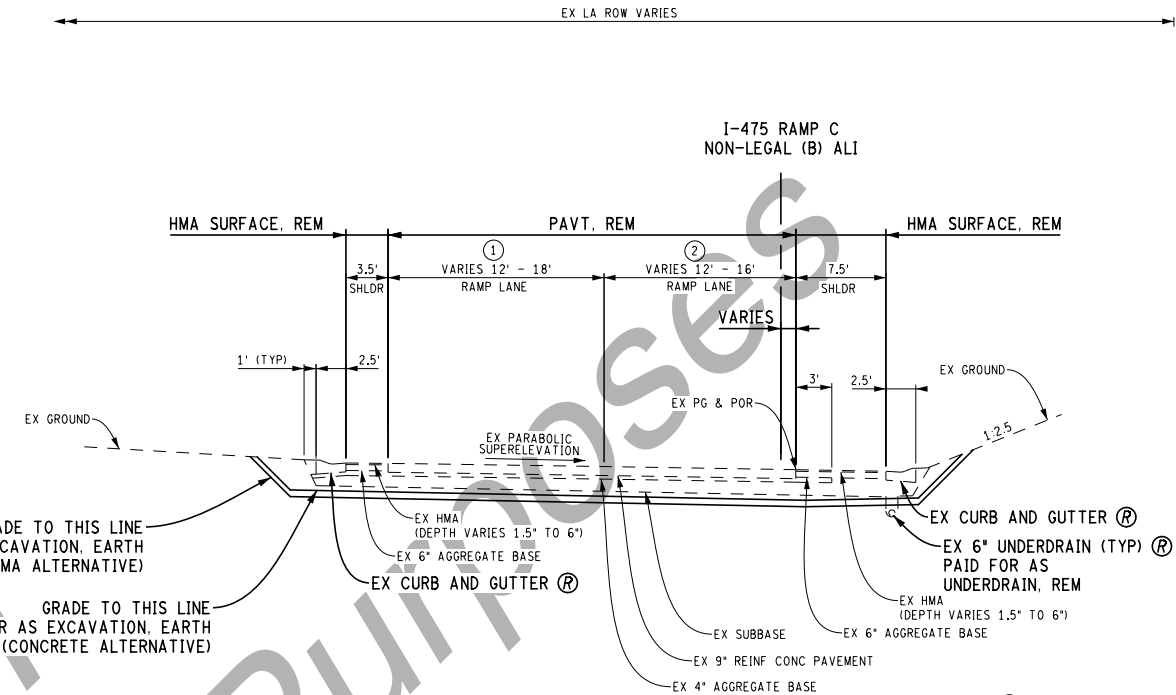
EXISTING RAMP SUPERELEVATED SECTION
TO APPLY:
I-475 RAMP A STA 119+19 TO STA 119+67
I-475 RAMP B STA 219+67 TO STA 220+75
I-475 RAMP C STA 327+49 TO STA 328+00



EXISTING RAMP SUPERELEVATED SECTION
TO APPLY:
I-475 RAMP D STA 920+15 TO STA 920+64

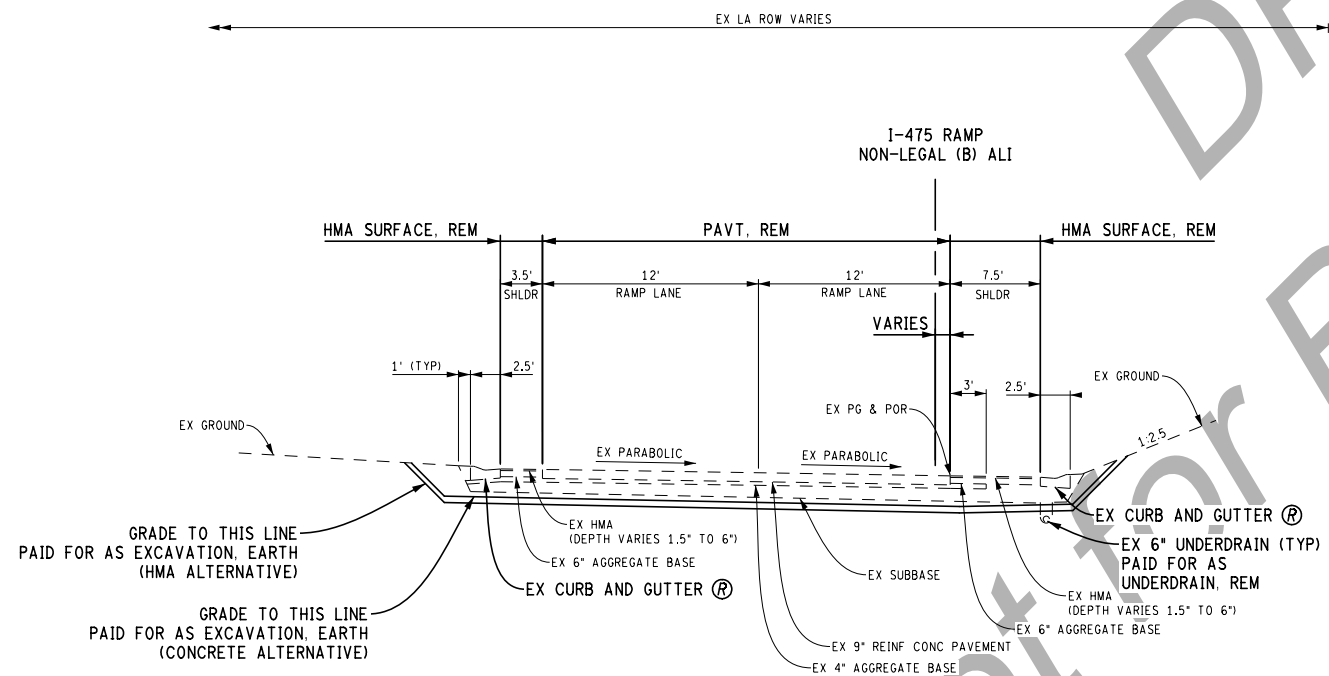


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TO APPLY:
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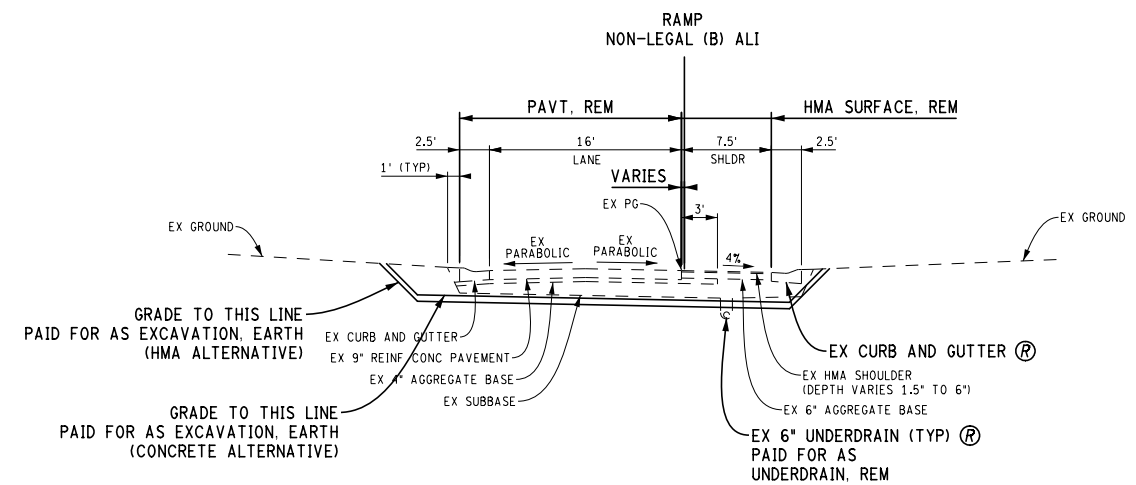


EXISTING RAMP SUPERELEVATED SECTION
TO APPLY:
I-475 RAMP C STA 310+07 TO STA 316+00

- ① 12' FROM STA 310+07 TO STA 314+46
WIDTH VARIES FROM 12' AT STA 314+46 TO 18' AT STA 316+00
- ② 12' FROM STA 310+07 TO STA 314+46
WIDTH VARIES FROM 12' AT STA 314+46 TO 16' AT STA 316+00



EXISTING RAMP SUPERELEVATED SECTION
TO APPLY:
I-475 RAMP B STA 204+59 TO STA 206+02
I-475 RAMP B STA 221+77 TO STA 228+40
I-475 RAMP C STA 309+19 TO STA 310+07
I-475 RAMP D STA 906+42 TO STA 907+95



EXISTING RAMP NORMAL SECTION
TO APPLY:
I-475 RAMP C STA 320+17 TO STA 327+49

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)																	
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION										

0 VERT. (FT) 16

0 HORZ. (FT) 16

DATE: 07/27/2020

DESIGN UNIT: BLOCK

TSC: DAVISON

CS: 25084, 25085, 25132

JN: 132026A

EXISTING TYPICAL CROSS SECTIONS

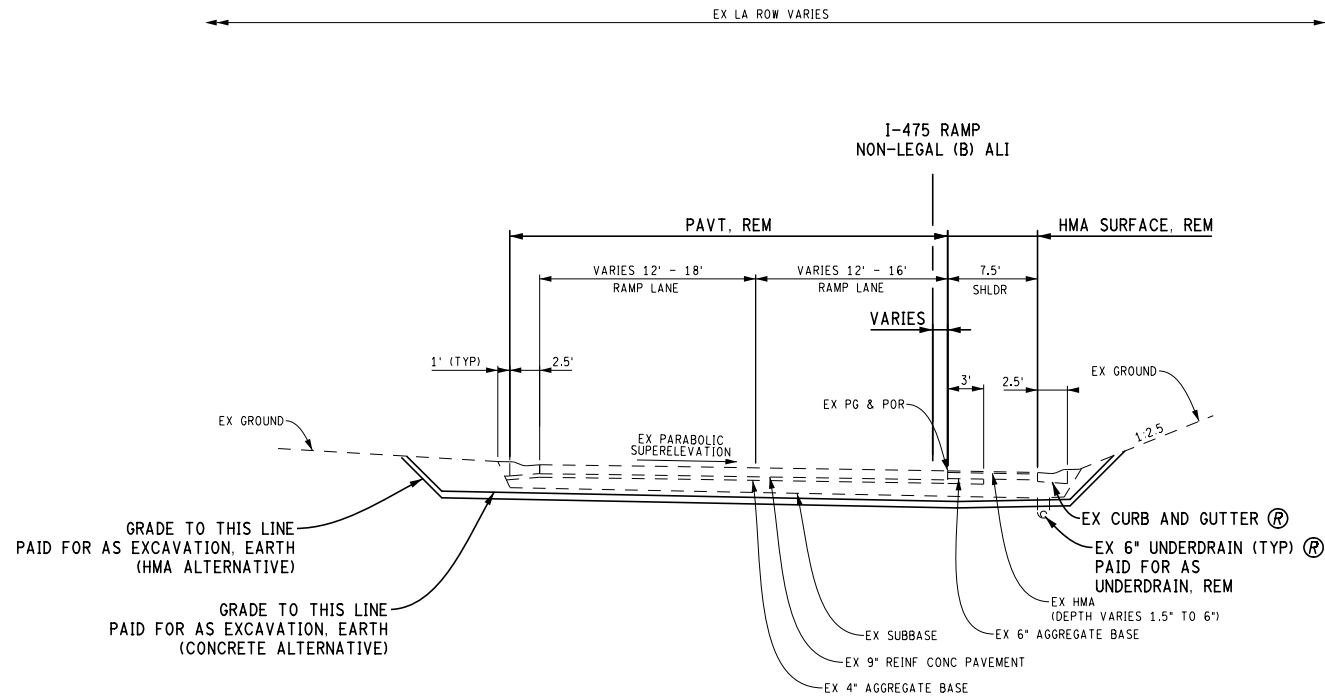
I-69/I-475 INTERCHANGE RAMP

DRAWING

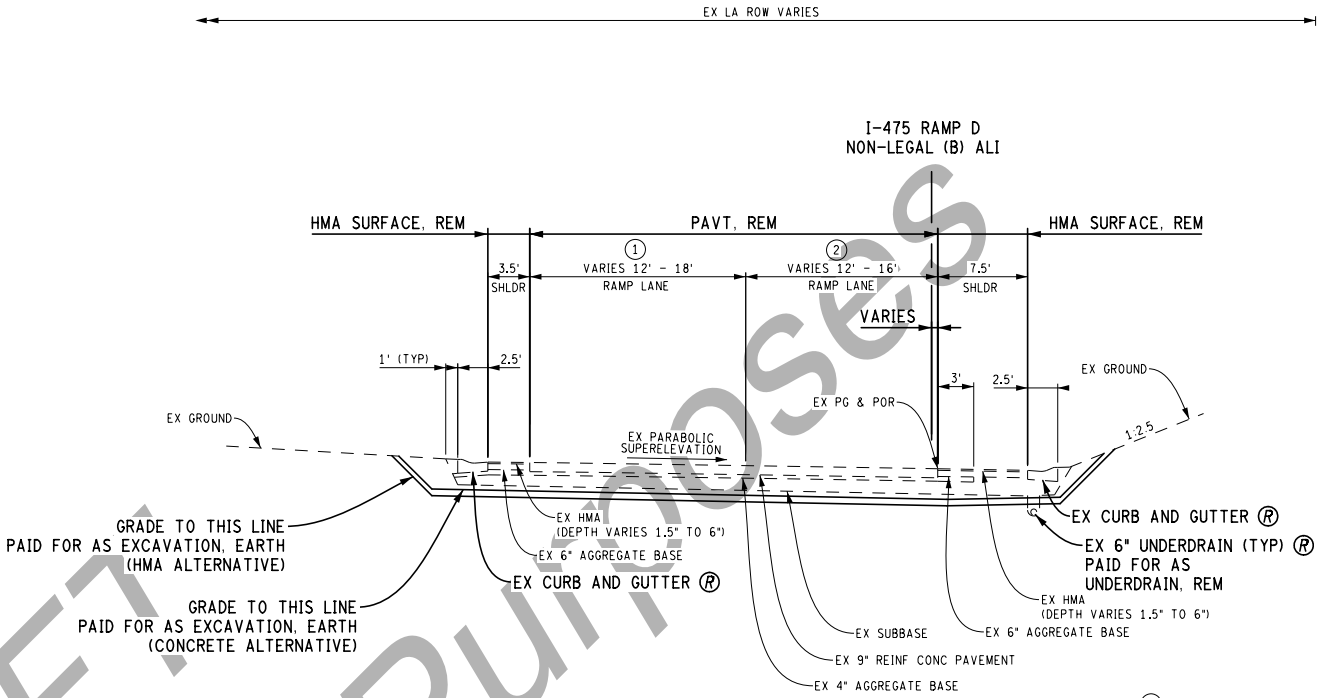
SHEET

I-69 EX TYP 020

31

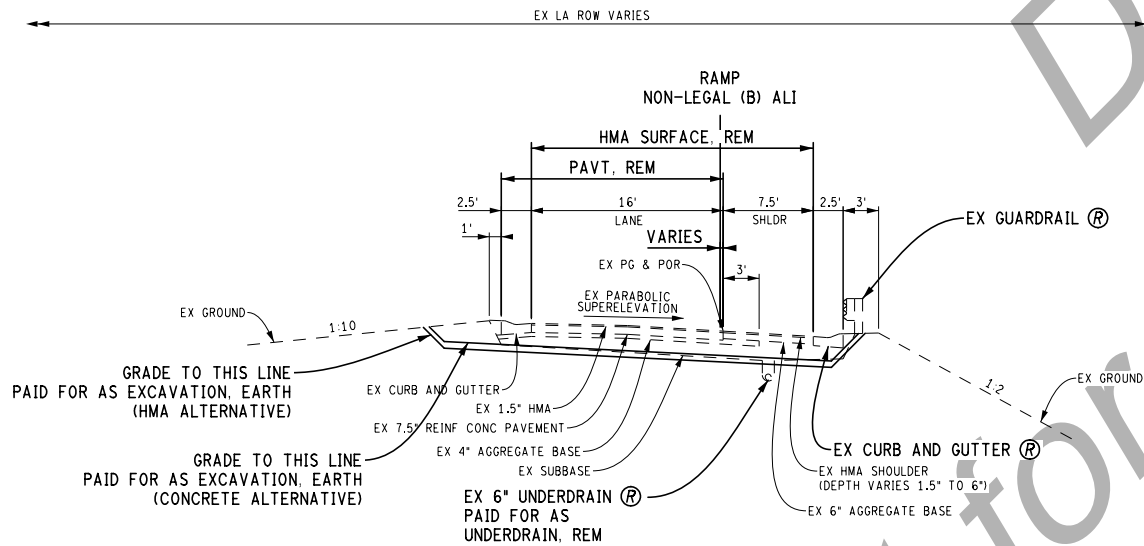


EXISTING RAMP SUPERELEVATED SECTION
TO APPLY:
I-475 RAMP C STA 328+60 TO STA 335+69

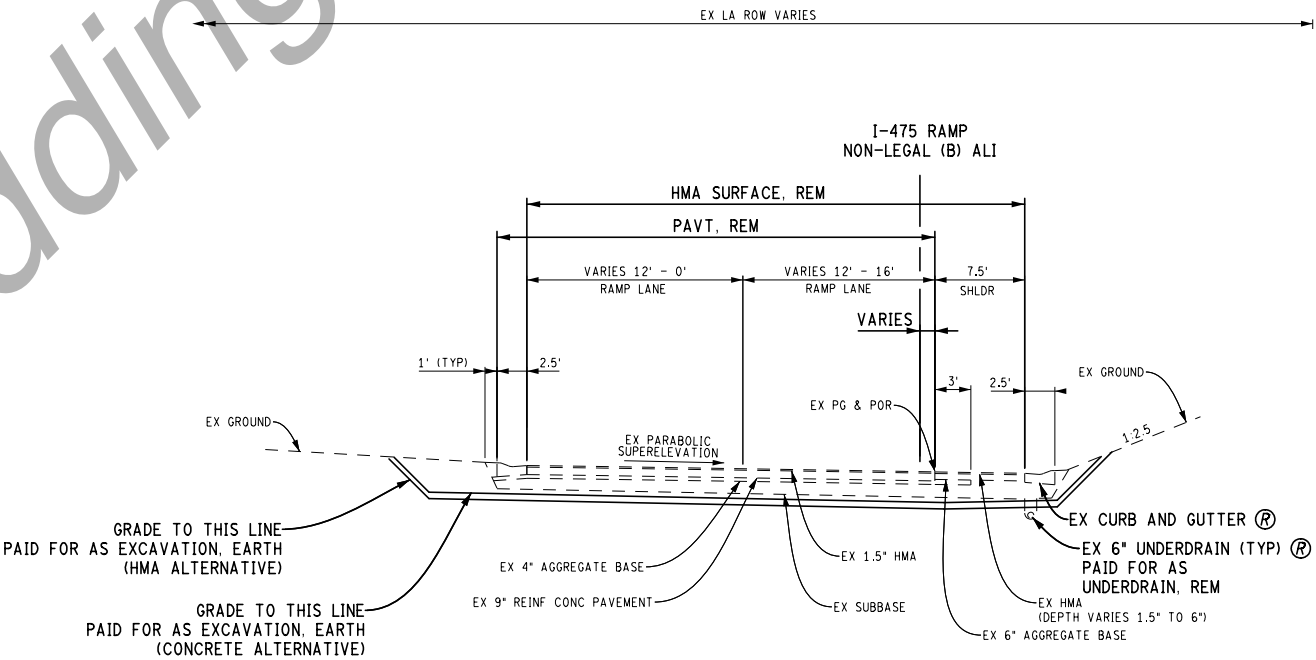


EXISTING RAMP SUPERELEVATED SECTION
TO APPLY:
I-475 RAMP D STA 907+95 TO STA 913+18

- ① 12' FROM STA 907+95 TO STA 912+05
WIDTH VARIES FROM 12' AT STA 912+05 TO 18' AT STA 913+18
- ② 12' FROM STA 907+95 TO STA 912+05
WIDTH VARIES FROM 12' AT STA 912+05 TO 16' AT STA 913+18

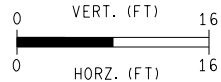


EXISTING RAMP SUPERELEVATED SECTION
TO APPLY:
I-475 RAMP D STA 914+40 TO STA 920+15



EXISTING RAMP SUPERELEVATED SECTION
TO APPLY:
I-475 RAMP D STA 921+27 TO STA 926+69

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)					
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE



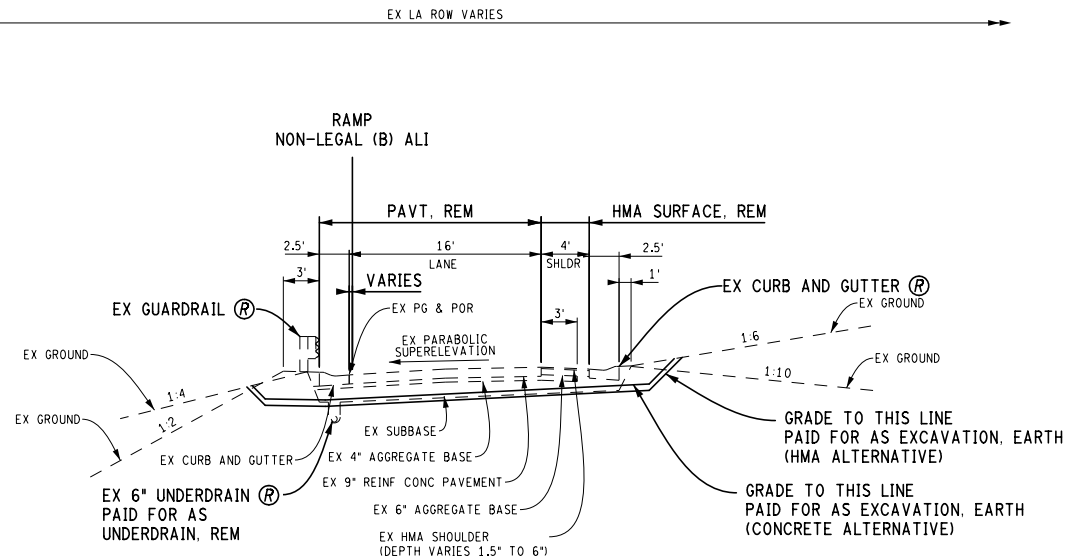
FILE: EX_TYP_002.dgn

DATE: 07/27/2020
DESIGN UNIT: BLOCK
TSC: DAVISON

CS: 25084, 25085, 25132
JN: 132026A

EXISTING TYPICAL CROSS SECTIONS
I-69/I-475 INTERCHANGE RAMPS

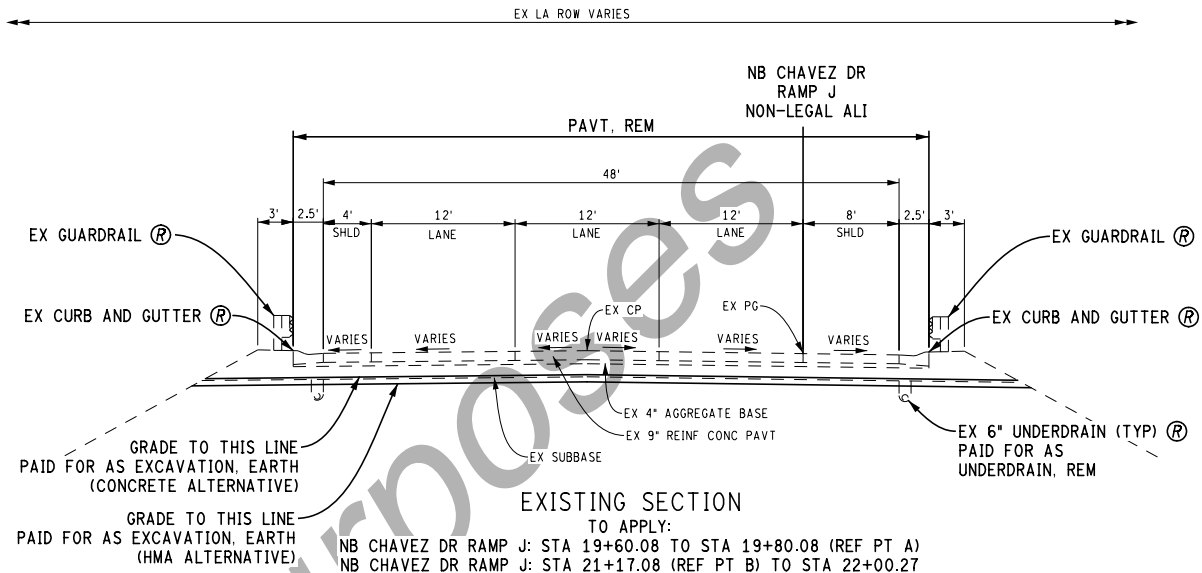
DRAWING SHEET
I-69
EX TYP
021
32



EXISTING RAMP SUPERELEVATED SECTION

TO APPLY:

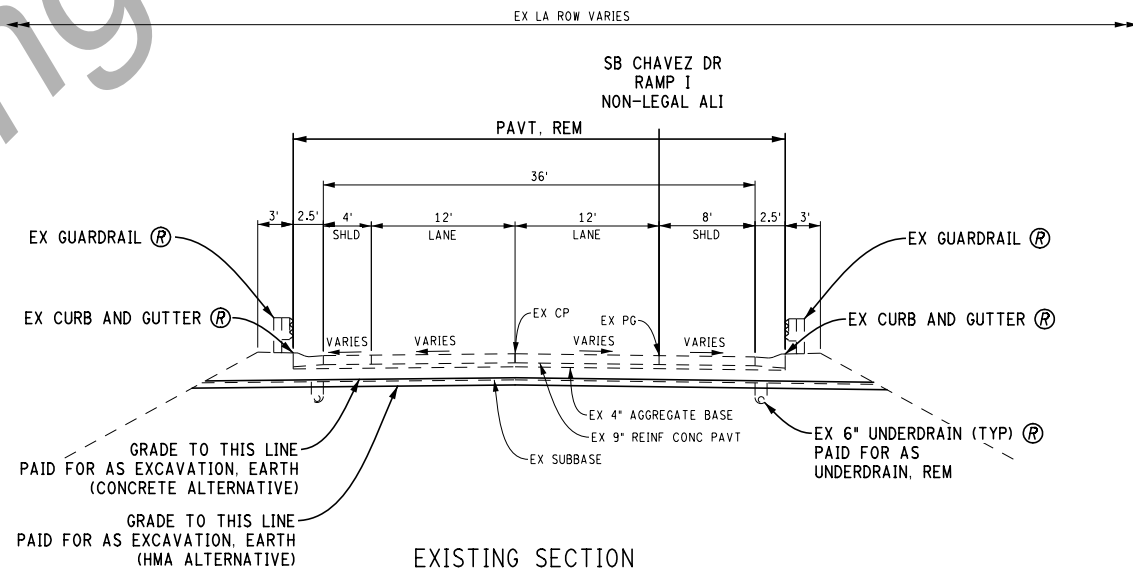
I-475 RAMP E STA 502+31 TO STA 508+14 (S10-5 OF 25132 REF PT H)
I-475 RAMP E STA 512+65 (S10-5 OF 25132 REF PT G) TO STA 519+79
I-475 RAMP F STA 602+59 TO STA 610+52 (S10-6 OF 25132 REF PT K)
I-475 RAMP F STA 615+03 (S10-6 OF 25132 REF PT J) TO STA 620+51
I-475 RAMP G STA 702+15 TO STA 708+04 (S10-7 OF 25132 REF PT P)
I-475 RAMP G STA 713+84 (S10-7 OF 25132 REF PT N) TO STA 719+88
I-475 RAMP H STA 802+33 TO STA 808+47 (S10-7 OF 25132 REF PT L)
I-475 RAMP H STA 814+27 (S10-7 OF 25132 REF PT M) TO STA 821+37



EXISTING SECTION

TO APPLY:

NB CHAVEZ DR RAMP J: STA 19+60.08 TO STA 19+80.08 (REF PT A)
NB CHAVEZ DR RAMP J: STA 21+17.08 (REF PT B) TO STA 22+00.27

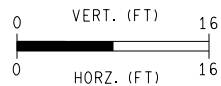


EXISTING SECTION

TO APPLY:

SB CHAVEZ DR RAMP I: STA 1+37.94 TO STA 1+95.50 (REF PT A)
SB CHAVEZ DR RAMP I: STA 3+23.50 (REF PT B) TO STA 3+43.50

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)					
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE



FILE: EX_TYP_002.dgn

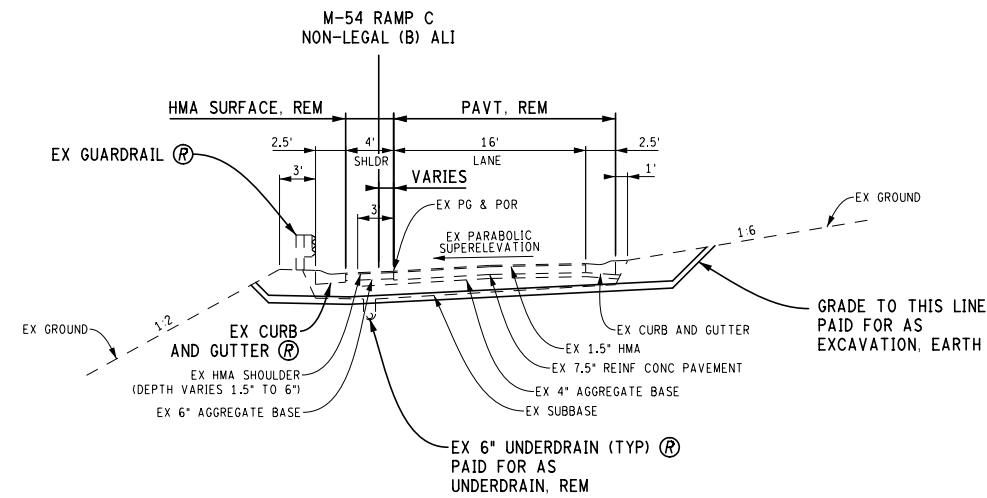
DATE: 07/27/2020
DESIGN UNIT: BLOCK
TSC: DAVISON

CS: 25084, 25085, 25132
JN: 132026A

EXISTING TYPICAL CROSS SECTIONS
I-69/I-475 INTERCHANGE RAMPS

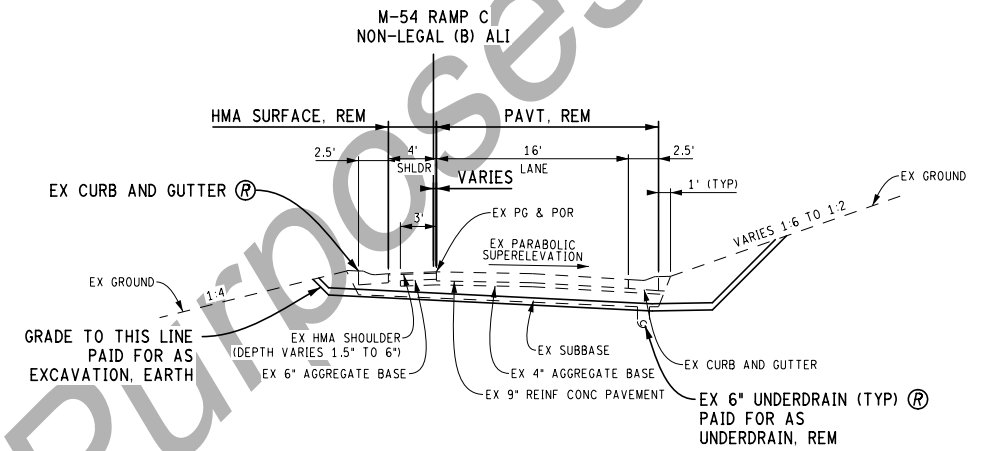
DRAWING SHEET
I-69 EX TYP 022
33

EX LA ROW VARIES



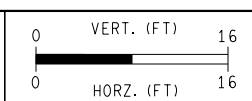
EXISTING RAMP SUPERELEVATED SECTION
TO APPLY:
M-54 RAMP C STA 332+73 TO STA 335+80

EX LA ROW VARIES



EXISTING RAMP SUPERELEVATED SECTION
TO APPLY:
M-54 RAMP C STA 335+80 TO STA 337+97.52

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)							
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION

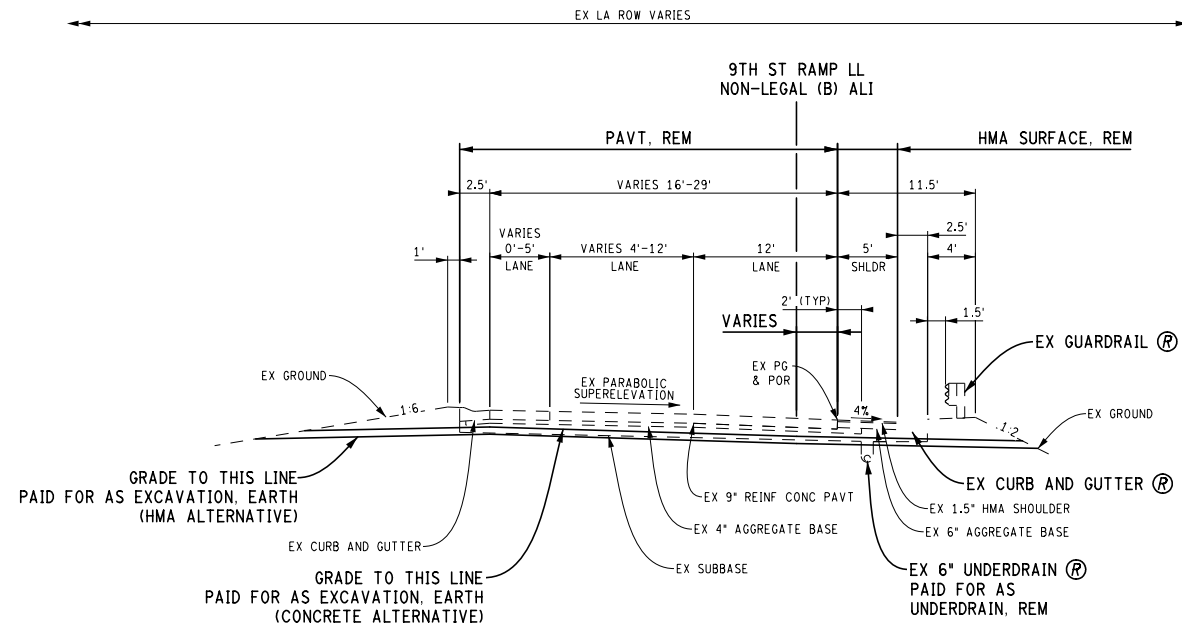


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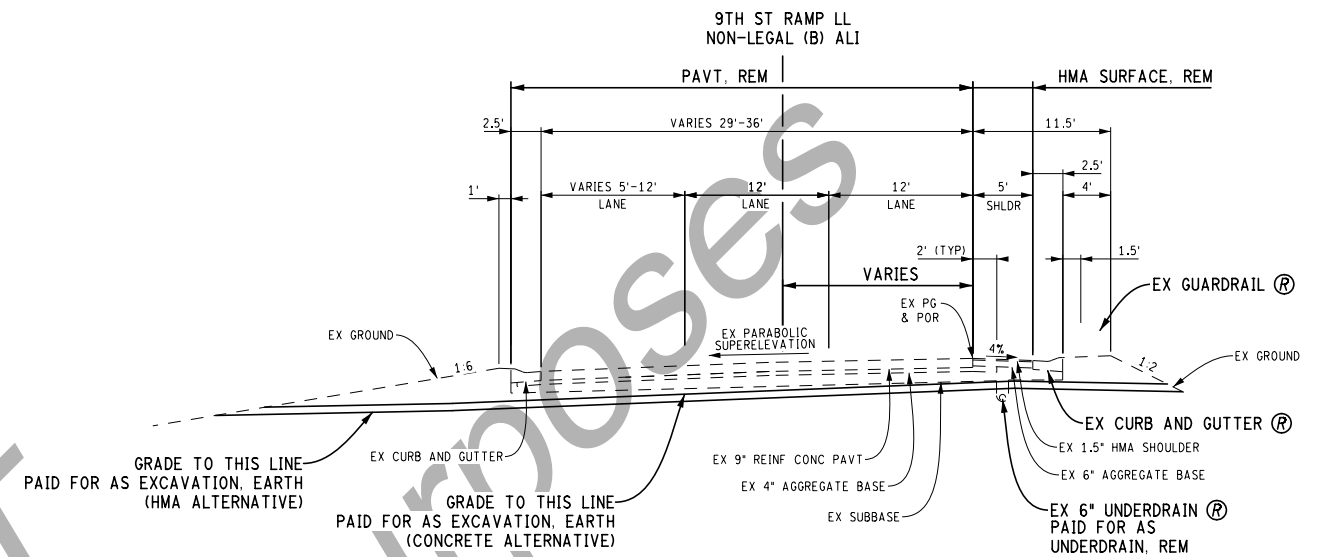
DATE: 07/27/2020
DESIGN UNIT: BLOCK
TSC: DAVISON

CS: 25084, 25085, 25132
JN: 132026A

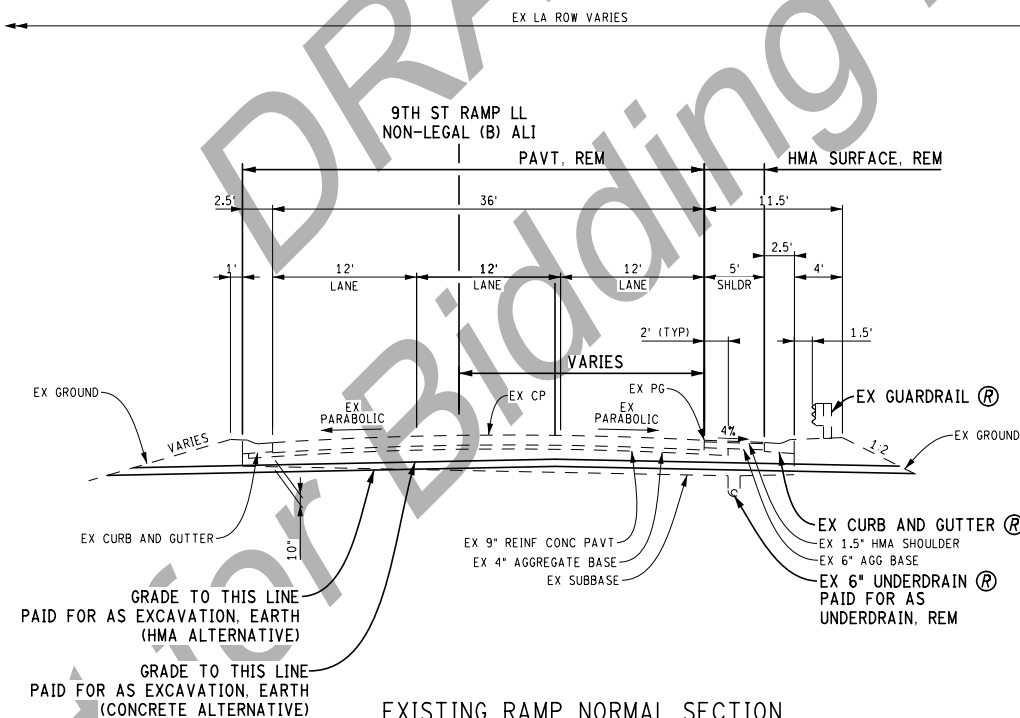
EXISTING TYPICAL CROSS SECTIONS		DRAWING	SHEET
I-69/M-54 (DORT HIGHWAY) INTERCHANGE RAMP		I-69 EX TYP 024	SECT 1 35



EXISTING RAMP SUPERELEVATED SECTION
TO APPLY:
9TH ST RAMP LL STA 141+15.76 TO STA 143+83.00

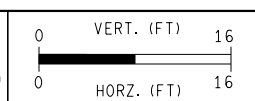


EXISTING RAMP SUPERELEVATED SECTION
TO APPLY:
9TH ST RAMP LL STA 143+83.00 TO STA 146+88.00



EXISTING RAMP NORMAL SECTION
TO APPLY:
9TH ST RAMP LL STA 146+88.00 TO STA 148+14.11

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)					
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE

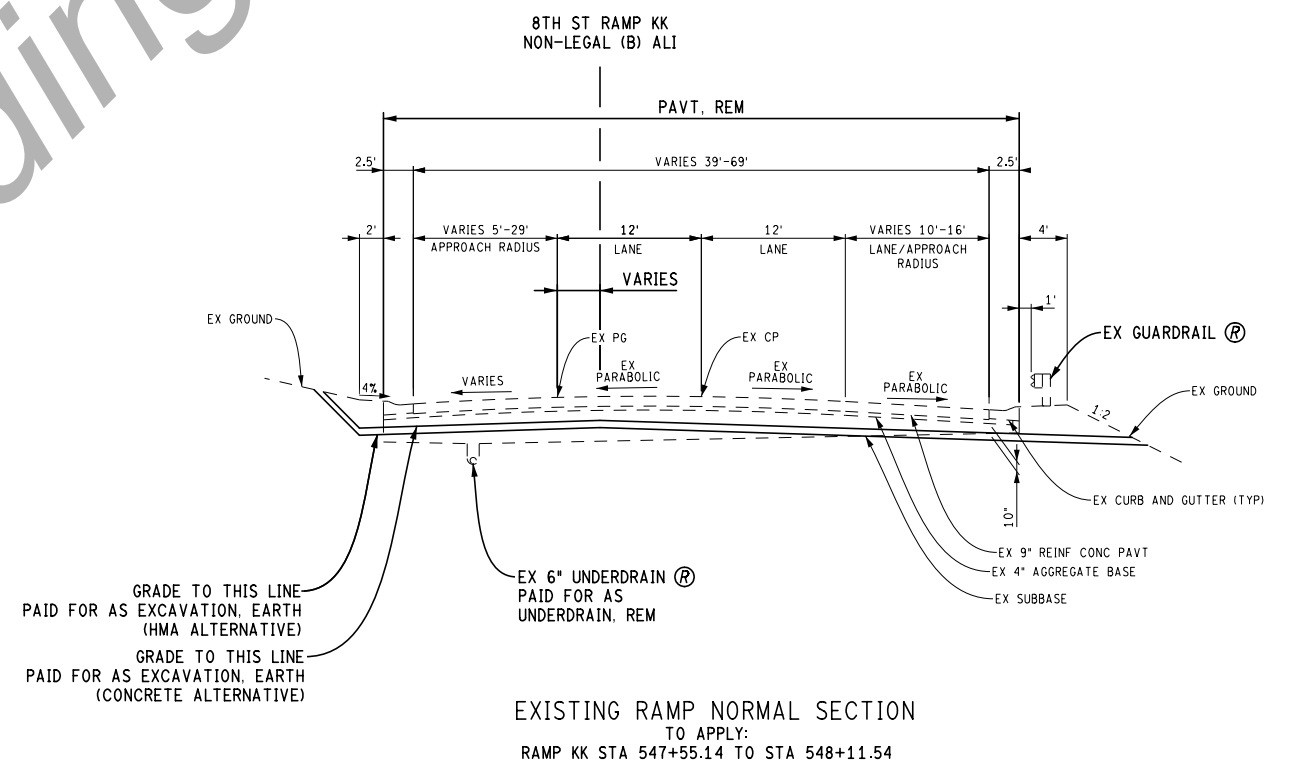
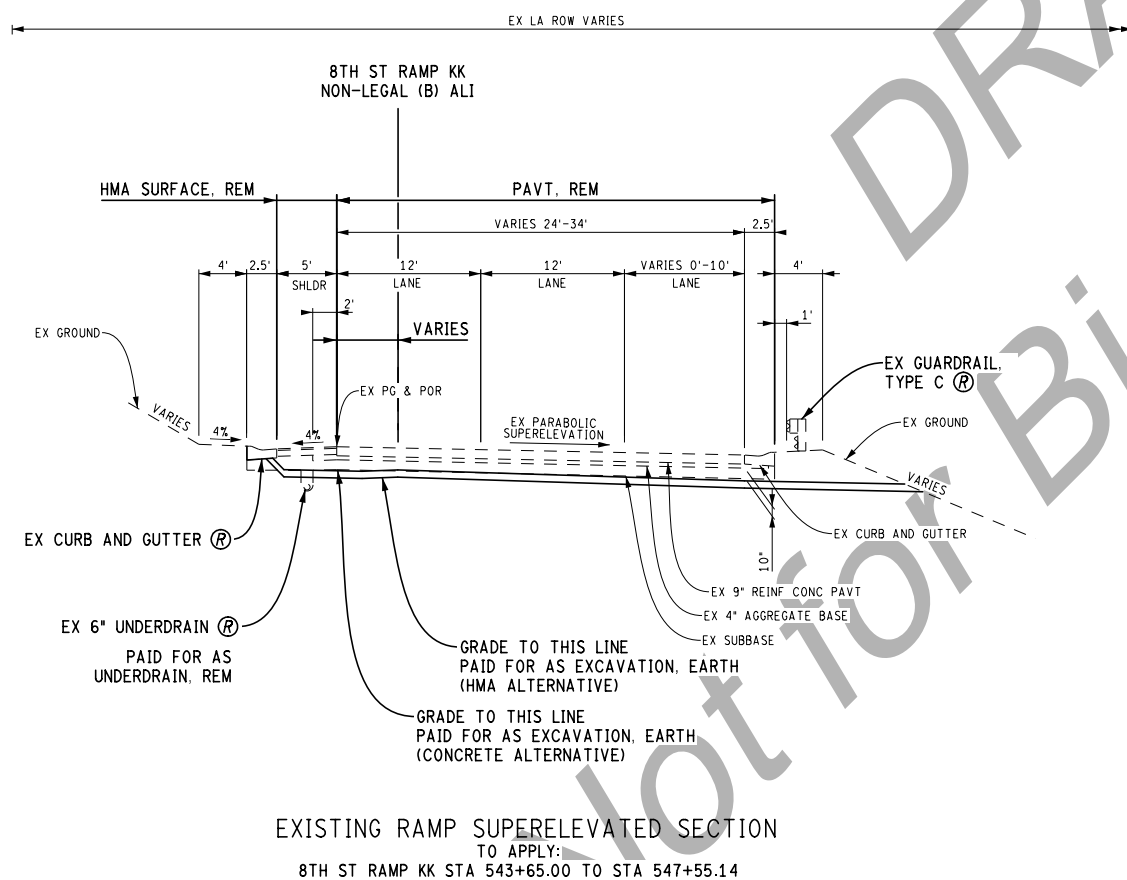
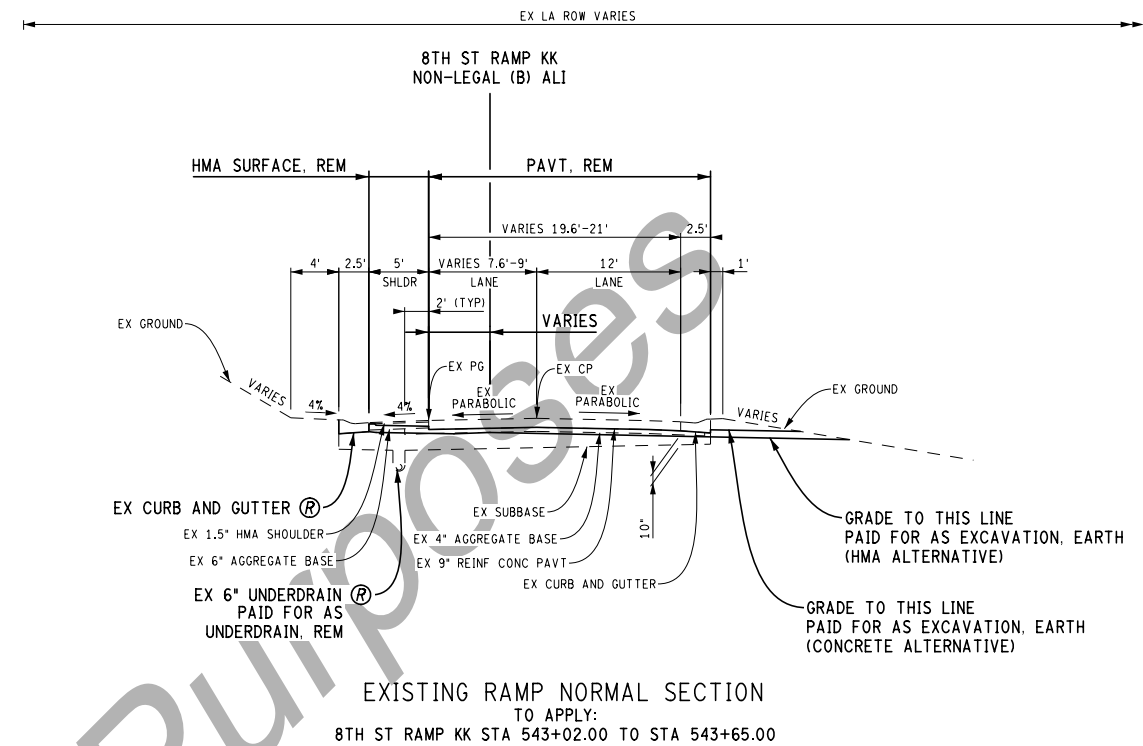
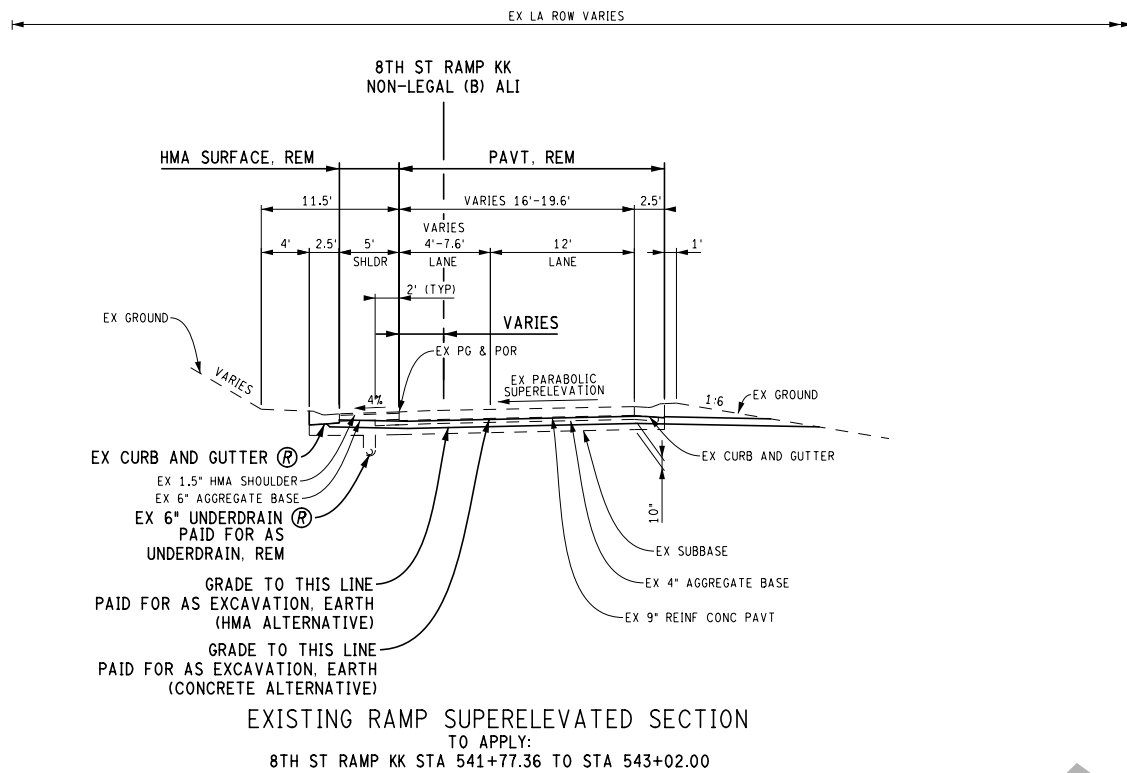


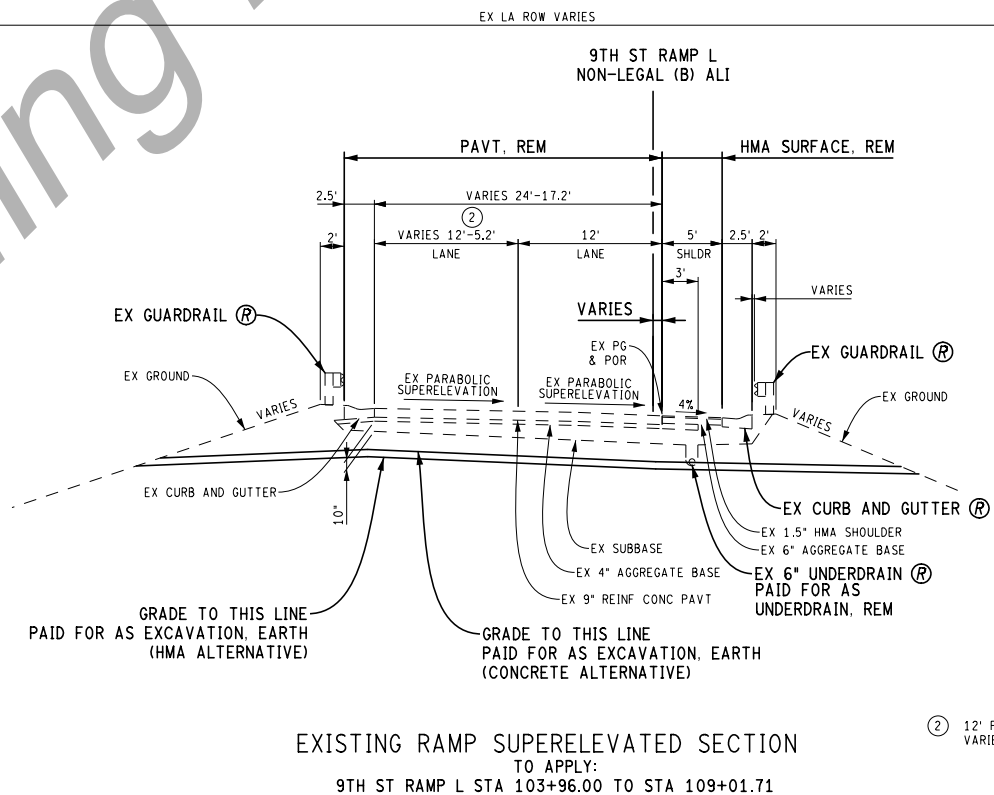
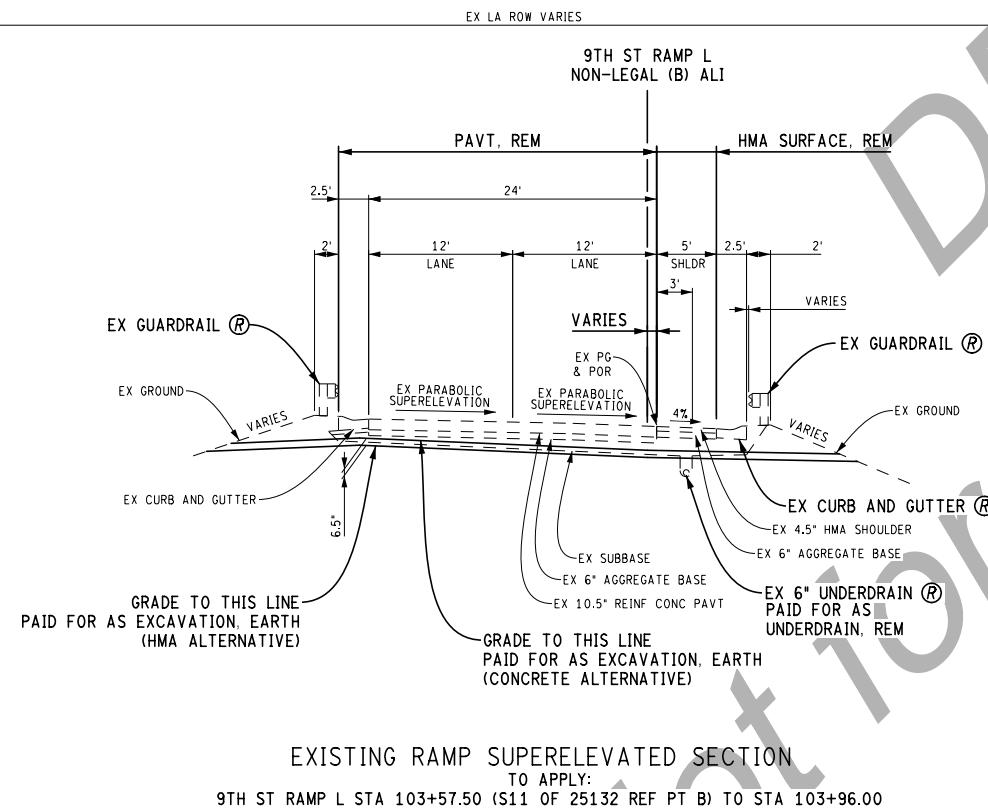
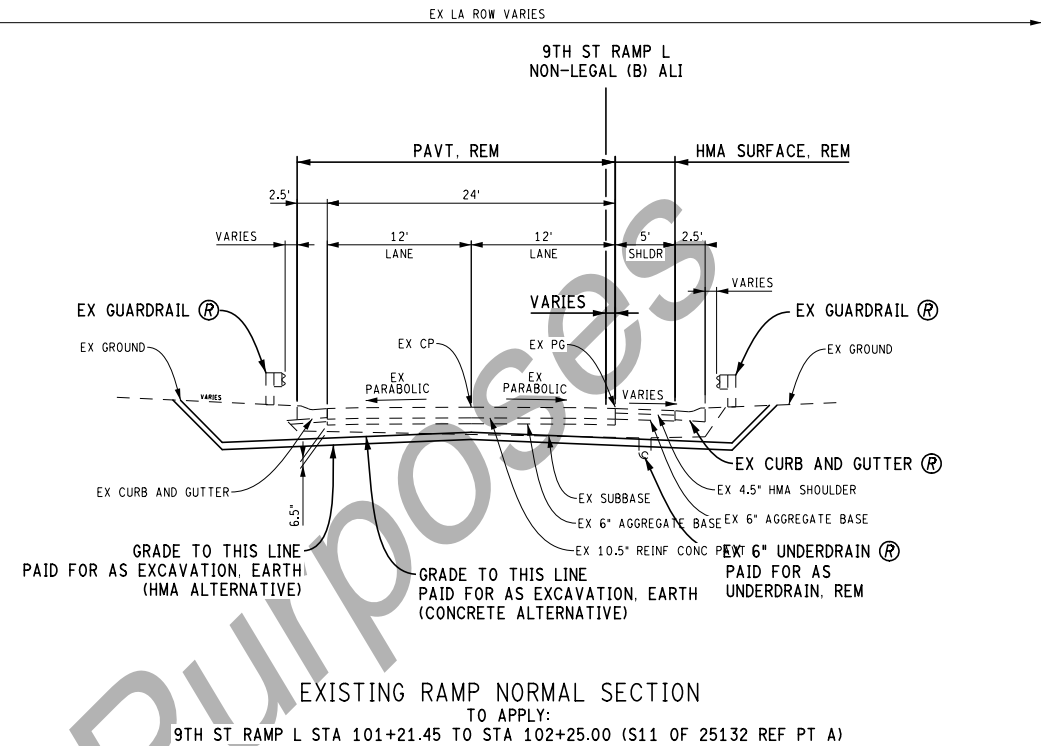
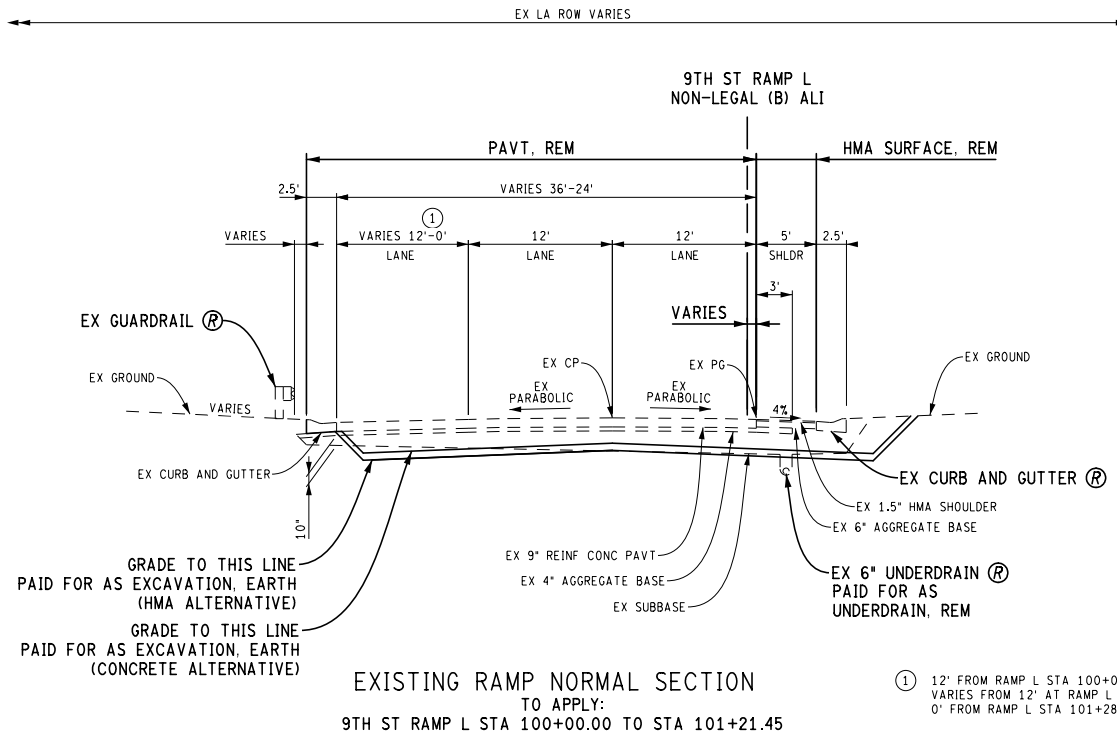
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DATE: 07/27/2020
DESIGN UNIT: BLOCK
TSC: DAVISON

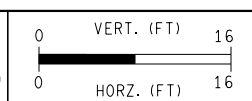
CS: 25084, 25085, 25132
JN: 132026A

EXISTING TYPICAL CROSS SECTIONS		DRAWING	SHEET
SERVICE DRIVE RAMP LL		1-69 EX TYP 025	SECT 1 36





FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)					
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE

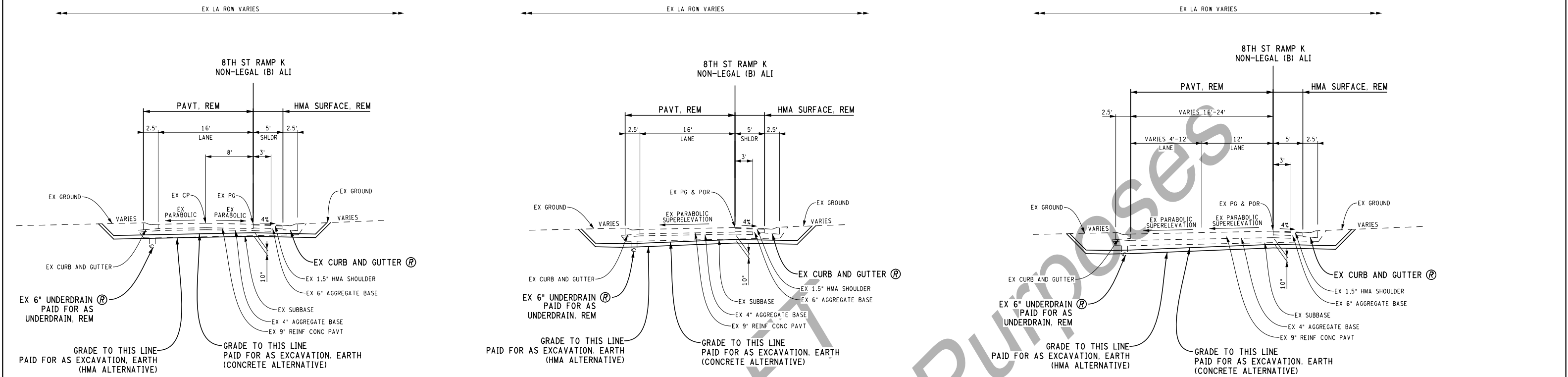


FILE: EX_TYP_003.dgn

DATE: 07/27/2020
DESIGN UNIT: BLOCK
TSC: DAVISON

CS: 25084, 25085, 25132
JN: 132026A

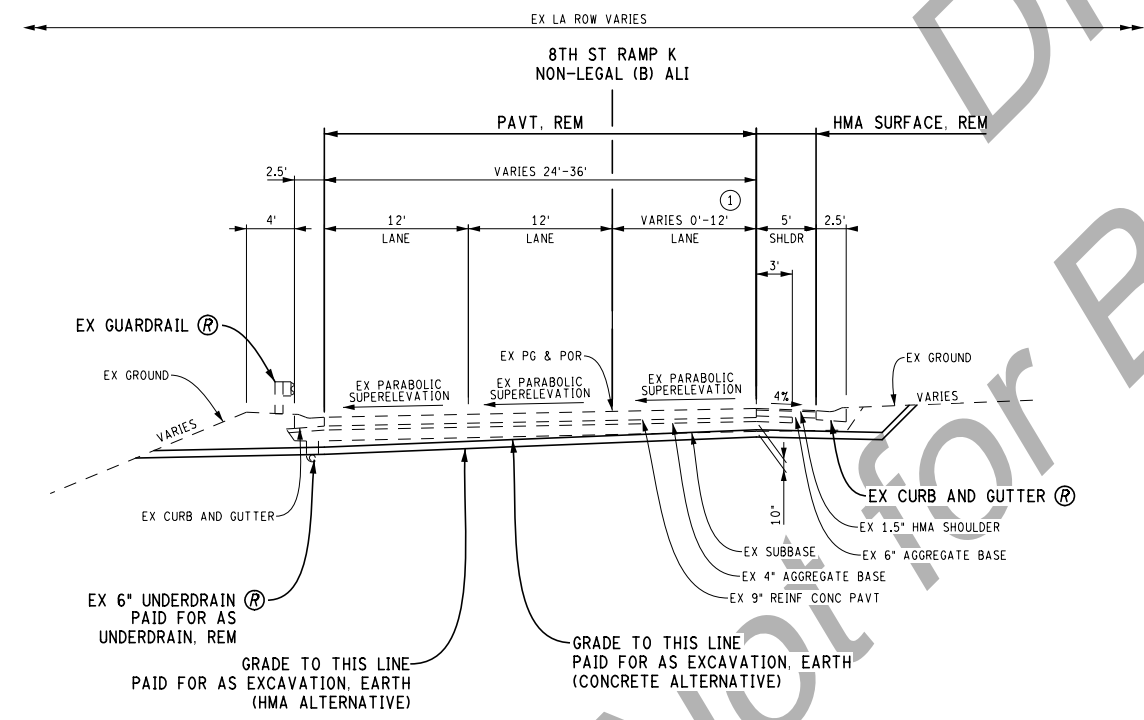
EXISTING TYPICAL CROSS SECTIONS		DRAWING	SHEET
SERVICE DRIVE RAMP L		1-69 EX TYP 027	38



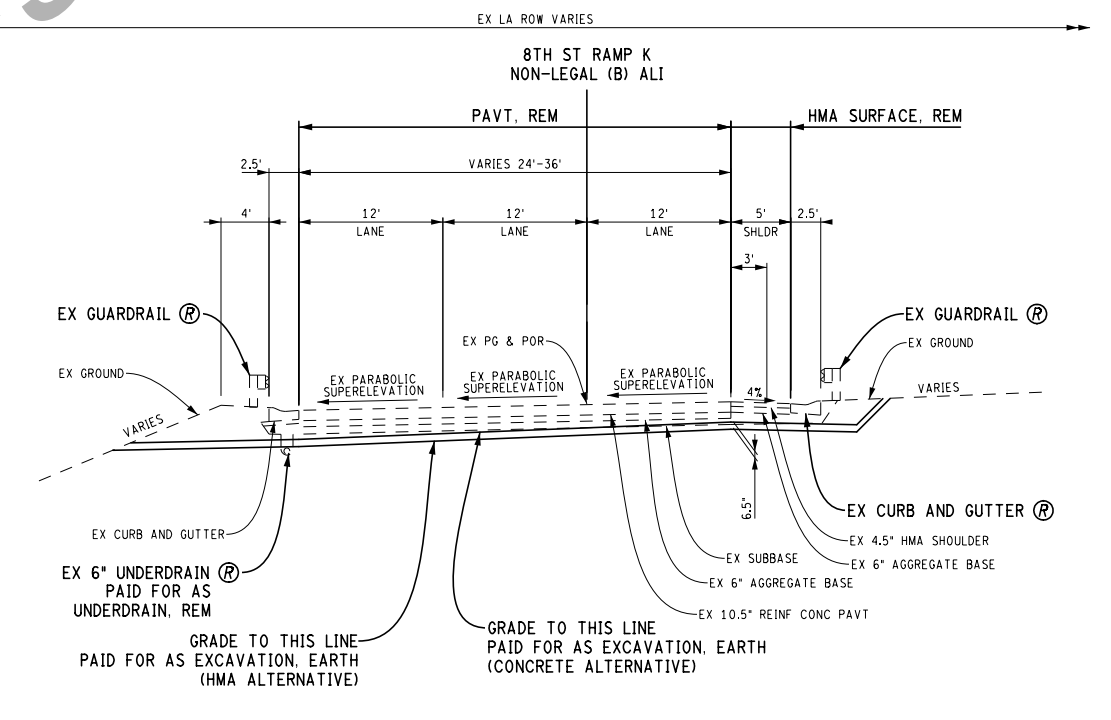
EXISTING RAMP NORMAL SECTION
TO APPLY:
8TH ST RAMP K STA 13+65.50 TO STA 14+09.00

EXISTING RAMP SUPERELEVATED SECTION
TO APPLY:
8TH ST RAMP K STA 14+09.00 TO STA 15+97.58

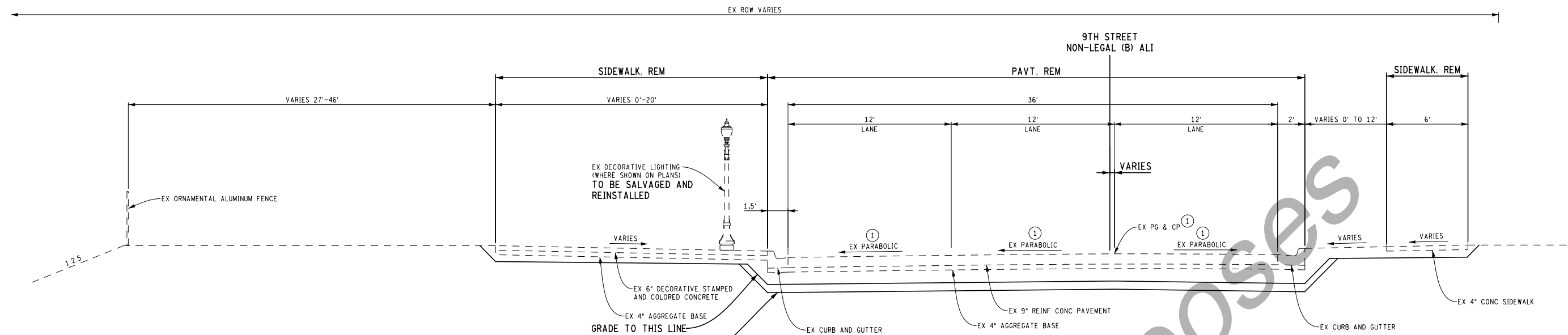
EXISTING RAMP SUPERELEVATED SECTION
TO APPLY:
8TH ST RAMP K STA 15+97.58 TO STA 18+46.39



EXISTING RAMP SUPERELEVATED SECTION
TO APPLY:
8TH ST RAMP K STA 18+46.39 TO STA 21+56.05
8TH ST RAMP K STA 23+55.12 TO STA 26+03.11

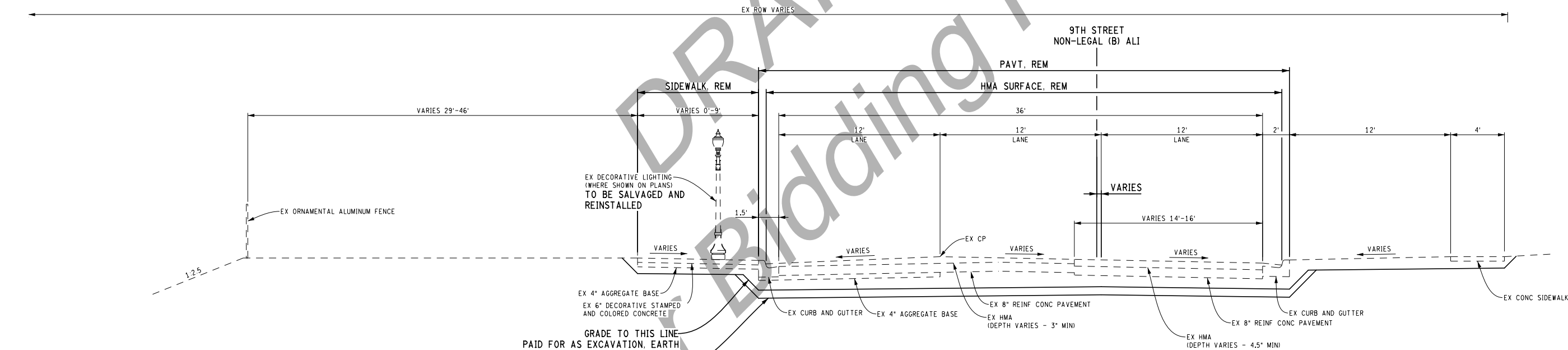


EXISTING RAMP SUPERELEVATED SECTION
TO APPLY:
8TH ST RAMP K STA 21+56.05 TO STA 21+91.31 (S12 OF 25132 REF PT A)
8TH ST RAMP K STA 22+95.94 (S12 OF 25132 REF PT B) TO STA 23+55.12

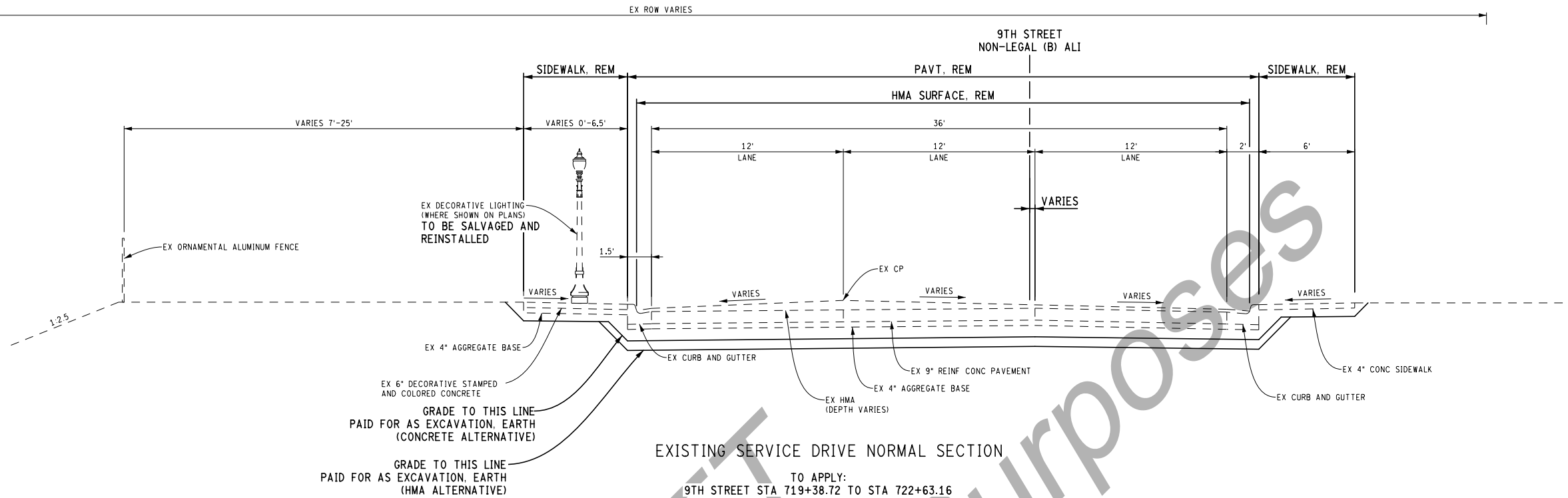


EXISTING SERVICE DRIVE NORMAL SECTION
TO APPLY:
9TH STREET STA 710+00 TO STA 710+23.92
9TH STREET STA 714+24.93 TO STA 719+38.72
9TH STREET STA 722+63.16 TO STA 723+00.47

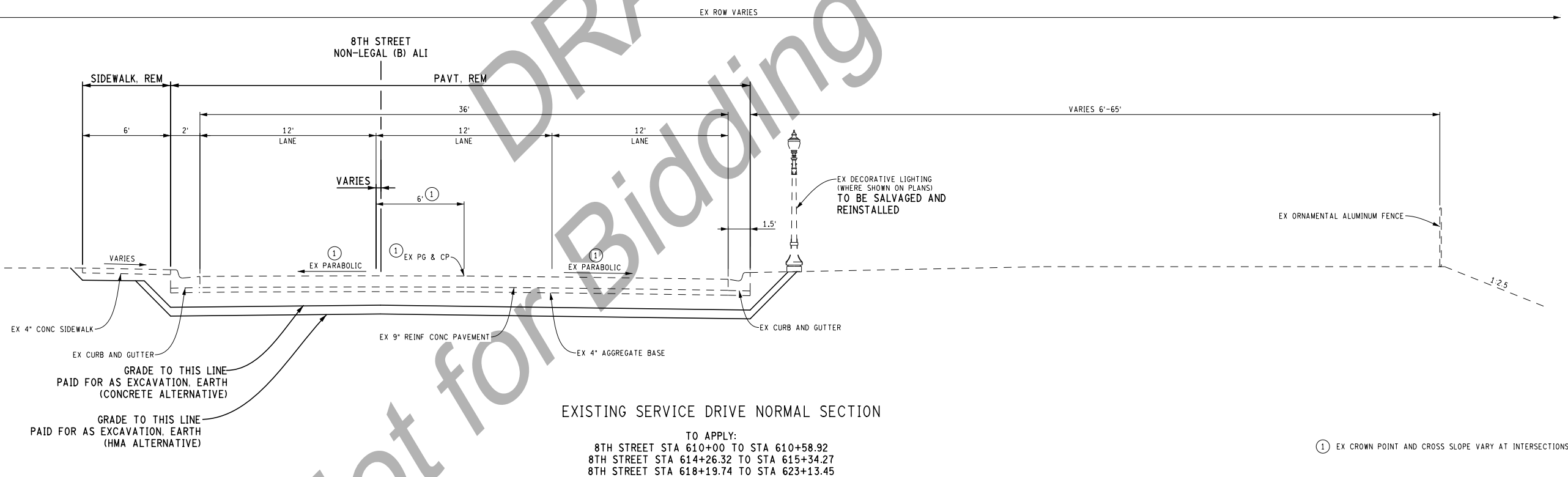
① EX CROWN POINT AND CROSS SLOPE VARY AT INTERSECTIONS



EXISTING SERVICE DRIVE NORMAL SECTION
TO APPLY:
9TH STREET STA 710+23.92 TO STA 714+24.93



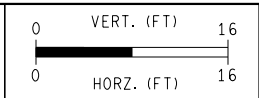
EXISTING SERVICE DRIVE NORMAL SECTION
TO APPLY:
9TH STREET STA 719+38.72 TO STA 722+63.16



EXISTING SERVICE DRIVE NORMAL SECTION
TO APPLY:
8TH STREET STA 610+00 TO STA 610+58.92
8TH STREET STA 614+26.32 TO STA 615+34.27
8TH STREET STA 618+19.74 TO STA 623+13.45

① EX CROWN POINT AND CROSS SLOPE VARY AT INTERSECTIONS

FINAL ROW PLAN REVISIONS				(SUBMITTAL DATE:)			
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION



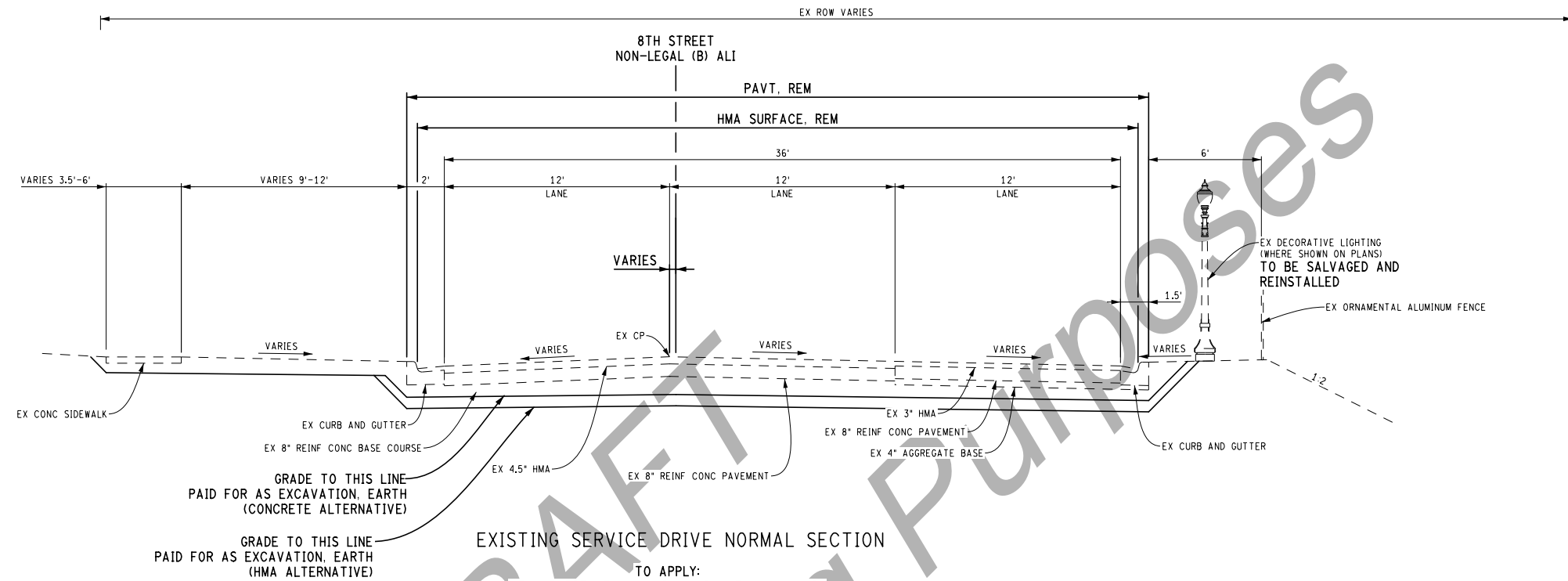
FILE: EX_TYP_004.dgn

DATE: 07/27/2020
DESIGN UNIT: BLOCK
TSC: DAVISON

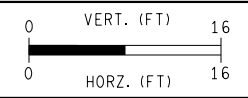
CS: 25084, 25085, 25132
JN: 132026A

EXISTING TYPICAL CROSS SECTIONS
I-69 SERVICE DRIVES

DRAWING SHEET
I-69 EX TYP 030
41



FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)					
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE



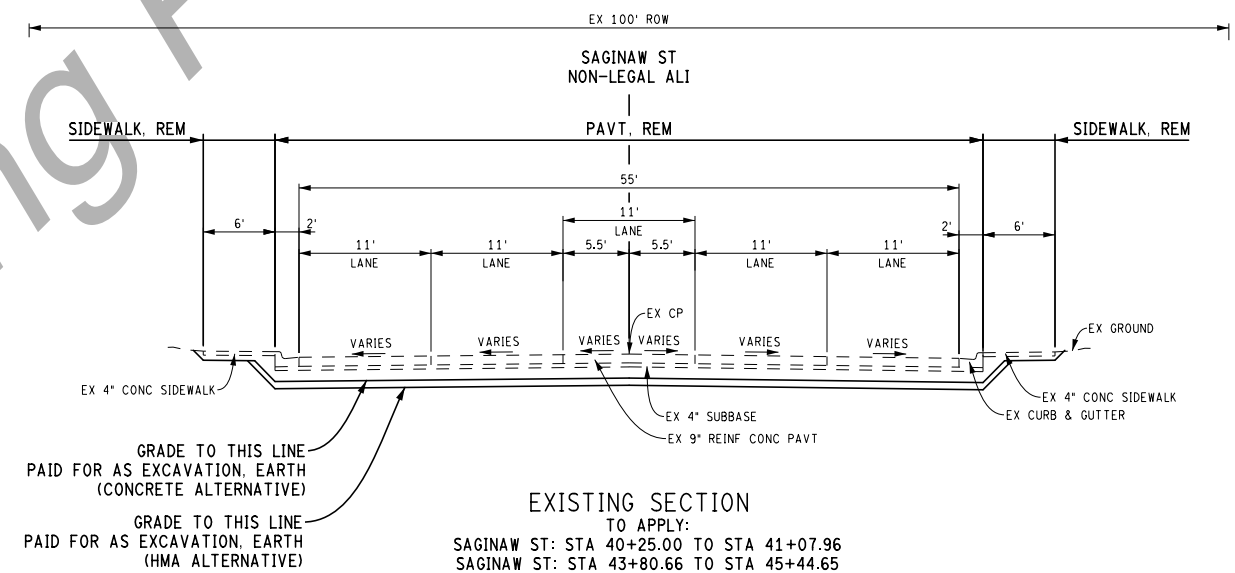
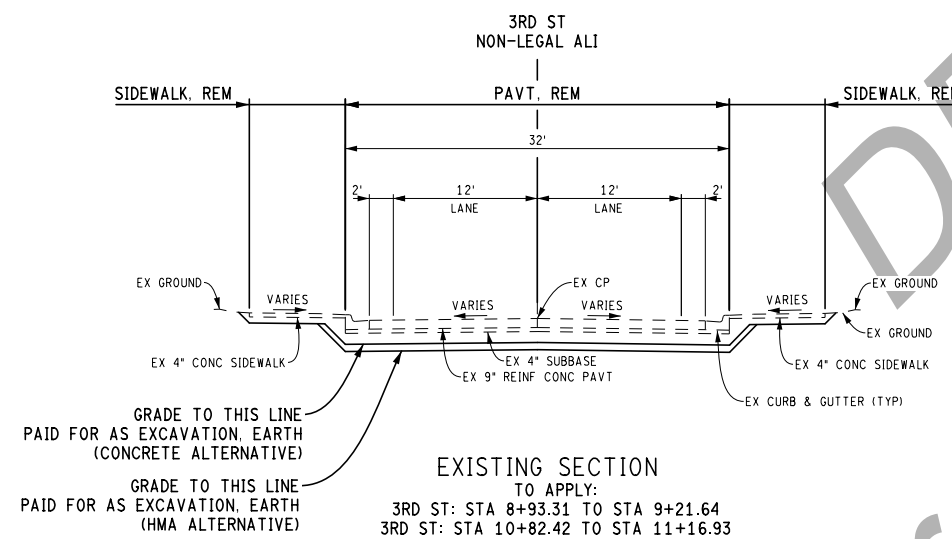
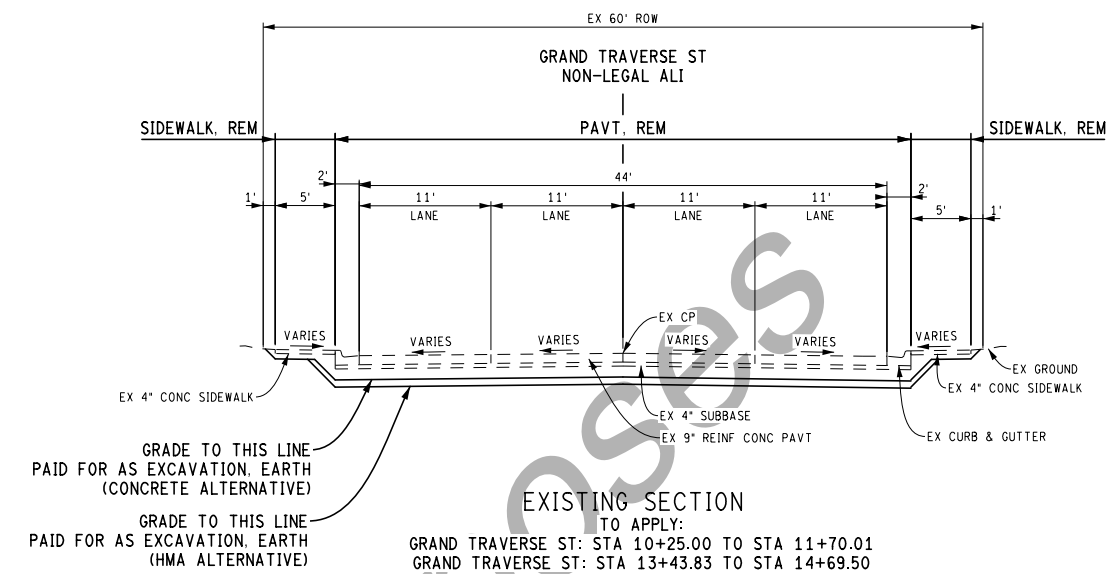
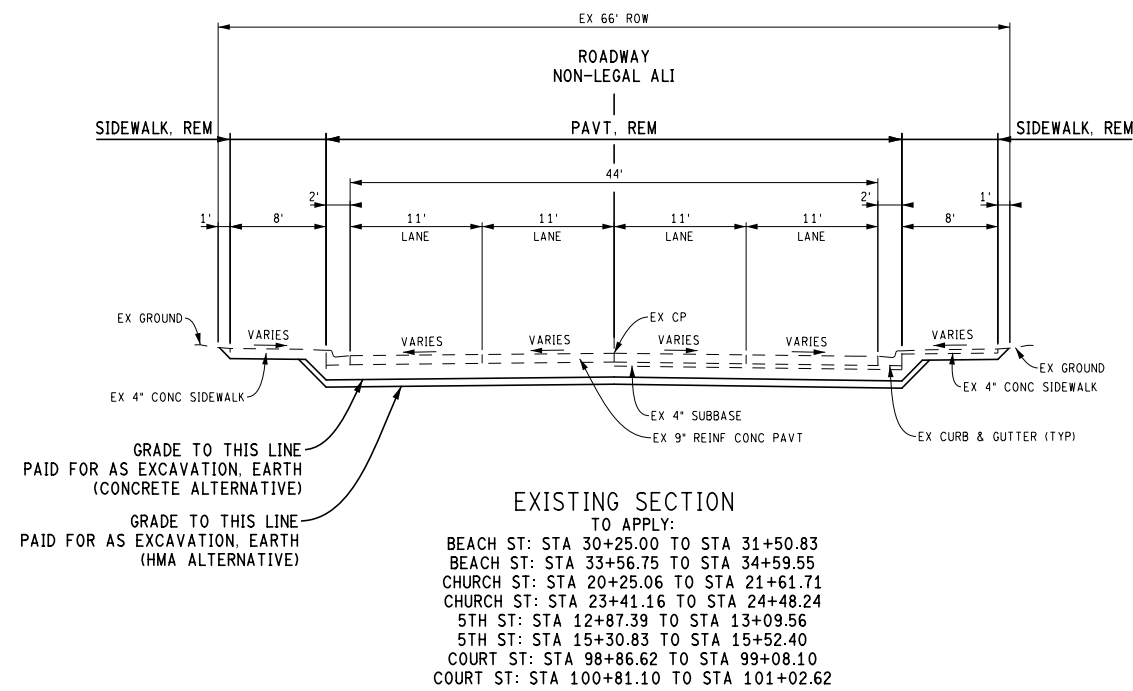
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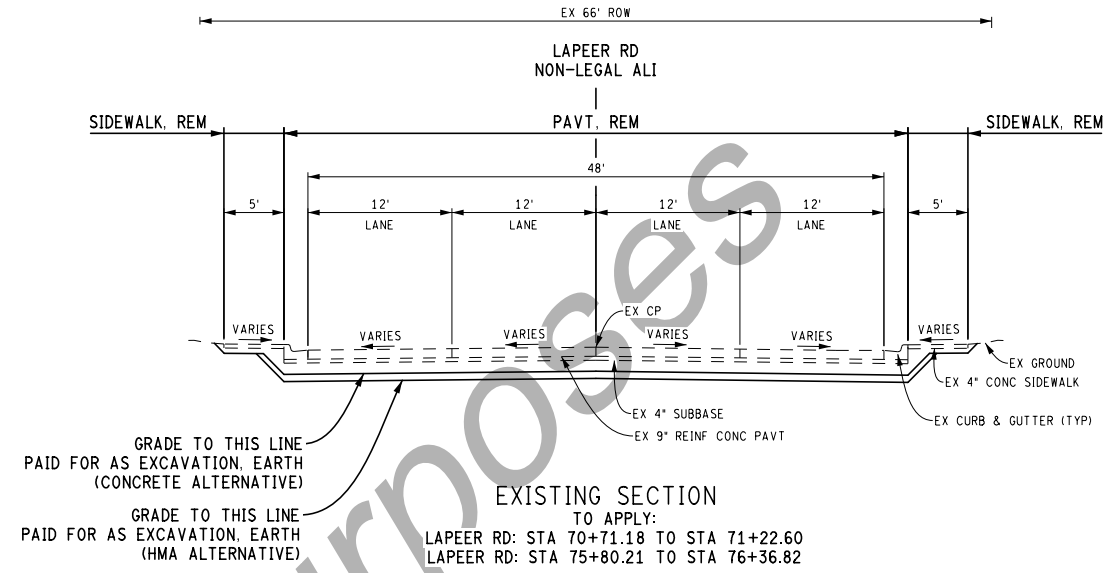
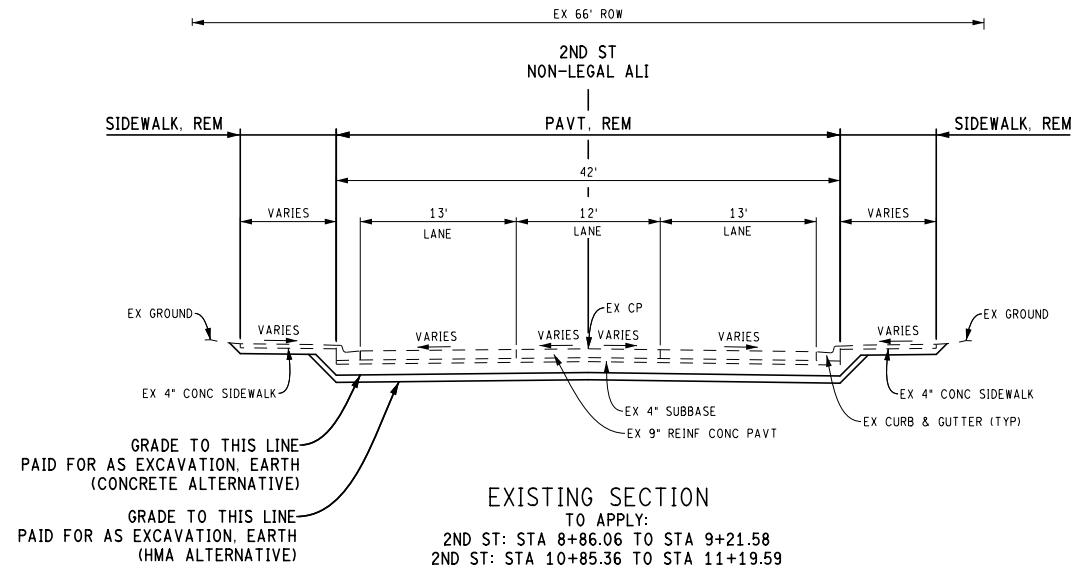
DATE: 07/27/2020
DESIGN UNIT: BLOCK
TSC: DAVISON

CS: 25084, 25085, 25132
JN: 132026A

EXISTING TYPICAL CROSS SECTIONS	
I-69 SERVICE DRIVES	

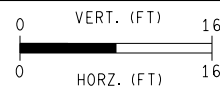
DRAWING	SHEET
I-69 EX TYP 031	42





FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)										EXISTING TYPICAL CROSS SECTIONS		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION			LOCAL ROADS		1-69 EX TYP 033	SECT 1 44

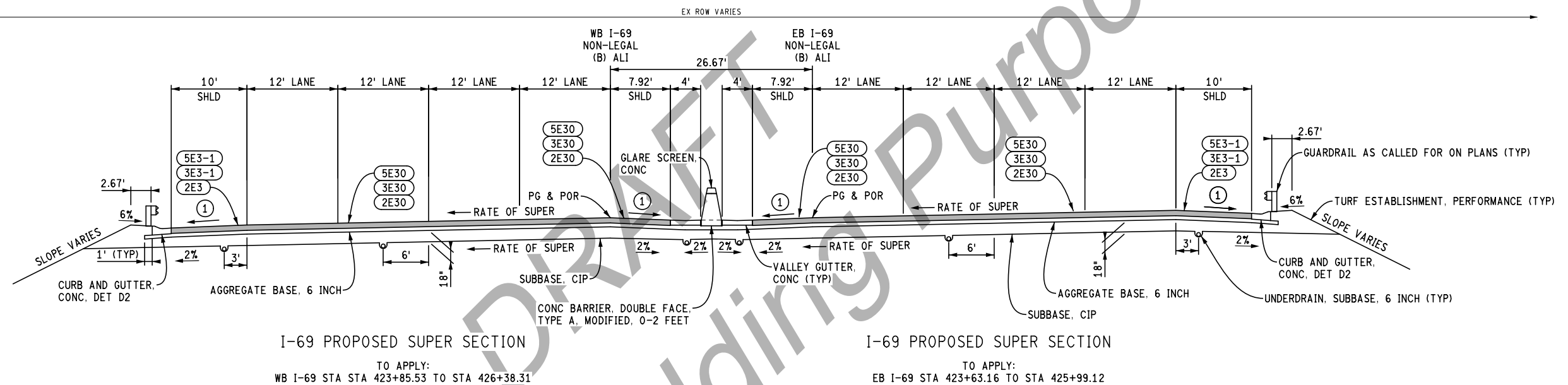
B BERGMANN
ARCHITECTS ENGINEERS PLANNERS



FILE: EX_TYP_005.dgn

DATE: 07/27/2020
DESIGN UNIT: BLOCK
TSC: DAVISON

CS: 25084, 25085, 25132
JN: 132026A









HMA APPLICATION ESTIMATE				
IDENT NO.	ITEM	RATE LBS PER SYD	PERFORMANCE GRADE	REMARKS
5E30	HMA, 5E30 (1.5")	165	70-28P	TOP COURSE: I-69 MAINLINE & INSIDE SHOULDER (AWI=260)
3E30	HMA, 3E30 (3")	330	70-28P	LEVELING COURSE: I-69 MAINLINE & INSIDE SHOULDER
2E30	HMA, 2E30 (4")	440	58-22	BASE COURSE: I-69 MAINLINE & INSIDE SHOULDER
5E3-1	HMA, 5E3 (1.5")	165	58-28	TOP COURSE: I-69 OUTSIDE SHOULDER (AWI=260)
3E3-1	HMA, 3E3 (3")	330	58-28	LEVELING COURSE: I-69 OUTSIDE SHOULDER
2E3	HMA, 2E3 (4")	440	58-28	BASE COURSE: I-69 OUTSIDE SHOULDER
5E10	HMA, 5E10 (2")	220	64-28	TOP COURSE: I-69 & I-475 RAMP LANES AND SHOULDERS (AWI=260)
4E10	HMA, 4E10 (2")	220	64-28	LEVELING COURSE: I-69 & I-475 RAMP LANES AND SHOULDERS
3E10	HMA, 3E10 (3.5")	385	58-22	BASE COURSE: I-69 & I-475 RAMP LANES AND SHOULDERS
5E3-2	HMA, 5E3 (2")	220	64-22	TOP COURSE: M-54, 8TH ST & 9TH ST RAMP LANES AND SHOULDERS (AWI=260)
4E3	HMA, 4E3 (2")	220	64-22	LEVELING COURSE: M-54, 8TH ST & 9TH ST RAMP LANES AND SHOULDERS
3E3-2	HMA, 3E3 (3.25")	357.5	64-22	BASE COURSE: M-54, 8TH ST & 9TH ST RAMP LANES AND SHOULDERS
	* BOND COAT	0.05-0.15 GAL		

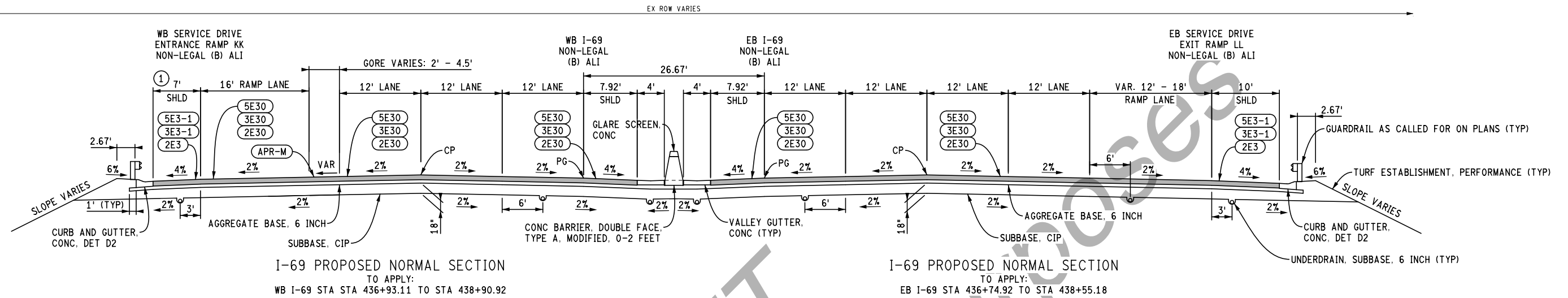
*FOR INFORMATION ONLY

HMA APPLICATION ESTIMATE				
IDENT NO.	ITEM	RATE LBS PER SYD	PERFORMANCE GRADE	REMARKS
APR-M	HMA, APPROACH (8.5")	165	70-28P	HMA, 5E30, TOP COURSE: I-69 MAINLINE & INSIDE SHOULDER (AWI=260)
		330	70-28P	HMA, 3E30, LEVELING COURSE: I-69 MAINLINE & INSIDE SHOULDER
		440	58-22	HMA, 2E30, BASE COURSE: I-69 MAINLINE & INSIDE SHOULDER
APR-I	HMA, APPROACH (7.5")	220	64-28	HMA, 5E10, TOP COURSE: I-69 & I-475 RAMP LANES AND SHOULDERS (AWI=260)
		220	64-28	HMA, 4E10, LEVELING COURSE: I-69 & I-475 RAMP LANES AND SHOULDERS
		385	58-22	HMA, 3E10, BASE COURSE: I-69 & I-475 RAMP LANES AND SHOULDERS
APR-C	HMA, APPROACH (7.25")	220	64-22	HMA, 5E3, TOP COURSE: M-54, 8TH ST & 9TH ST RAMP LANES AND SHOULDERS (AWI=260)
		220	64-22	HMA, 4E3, LEVELING COURSE: M-54, 8TH ST & 9TH ST RAMP LANES AND SHOULDERS
		357.5	64-22	HMA, 3E3, BASE COURSE: M-54, 8TH ST & 9TH ST RAMP LANES AND SHOULDERS
	* BOND COAT	0.05-0.15 GAL		

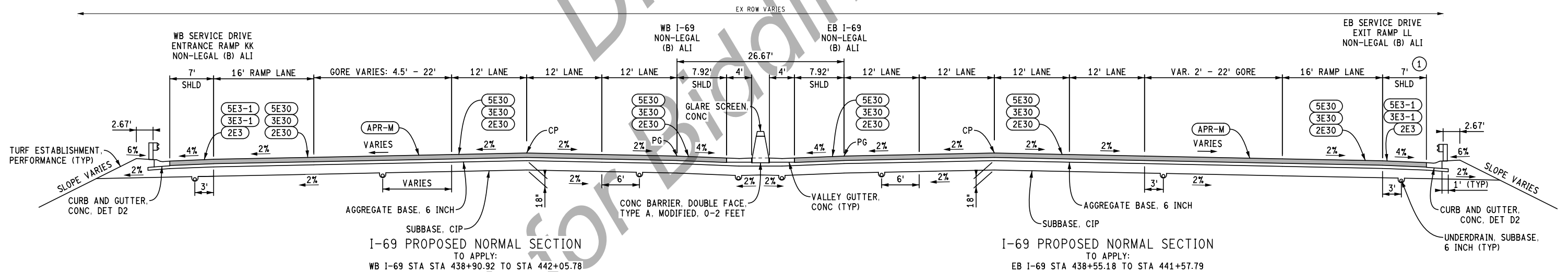
*FOR INFORMATION ONLY

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)								 	 0 16 HORZ. (FT)	DATE: 07/27/2020	CS: 25084, 25085, 25132	PROPOSED TYPICAL CROSS SECTIONS		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION			DESIGN UNIT: BLOCK	JN: 132026A	I-69 MAINLINE		I-69 PR TYP 001	SECT 1
										FILE: 128093_PR_TYP_I-69_001.dgn	TSC: DAVISON	HMA ALTERNATIVE		45	

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)								 BERGMANN ARCHITECTS ENGINEERS PLANNERS	 MDOT Michigan Department of Transportation	 0 16 HORZ. (FT)		DATE: 07/27/2020	CS: 25084, 25085, 25132	PROPOSED TYPICAL CROSS SECTIONS		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION					DESIGN UNIT: BLOCK	JN: 132026A	I-69 MAINLINE		I-69 PR TYP 002	SECT 1
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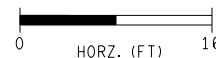
I-69 PROPOSED NORMAL SECTION
TO APPLY:
EB I-69 STA 436+74.92 TO STA 438+55.18



I-69 PROPOSED NORMAL SECTION
TO APPLY:
EB I-69 STA 438+55.18 TO STA 441+57.79

① SHOULDER WIDTH VARIES: 10' - 7'

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)					
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE



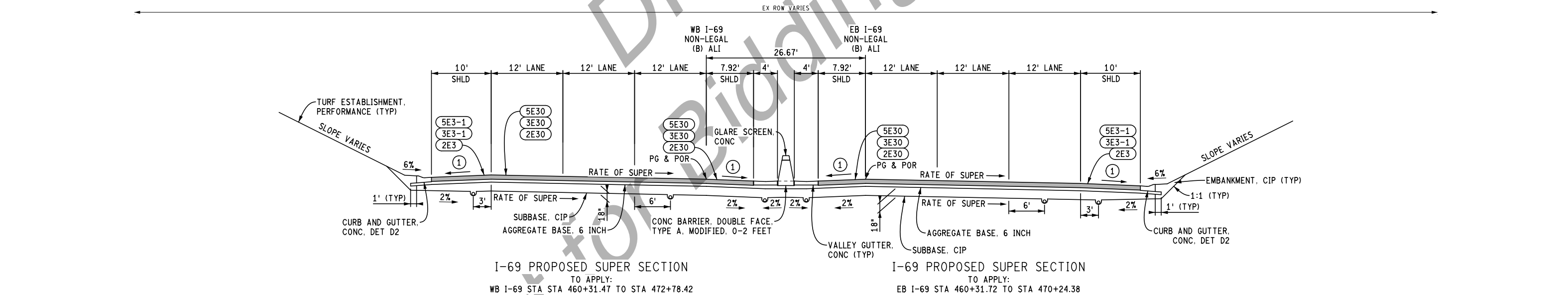
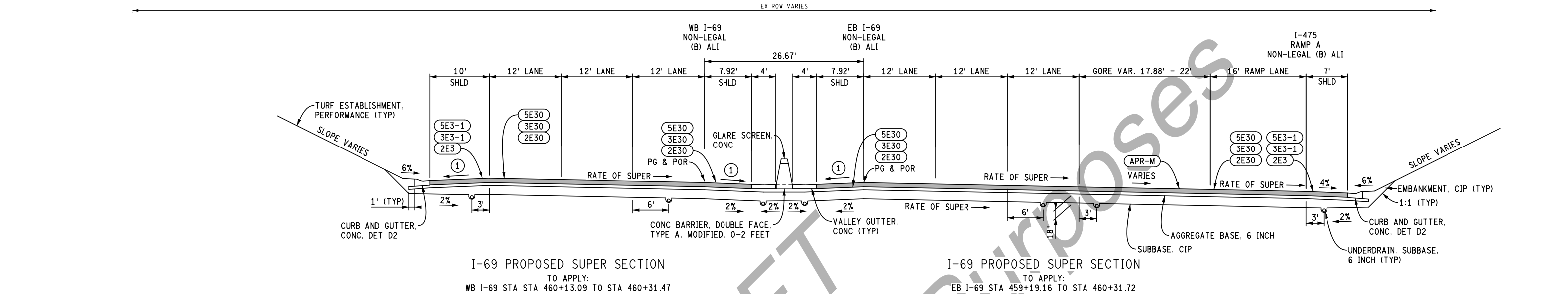
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DATE: 07/27/2020
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CS: 25084, 25085, 25132
JN: 132026A

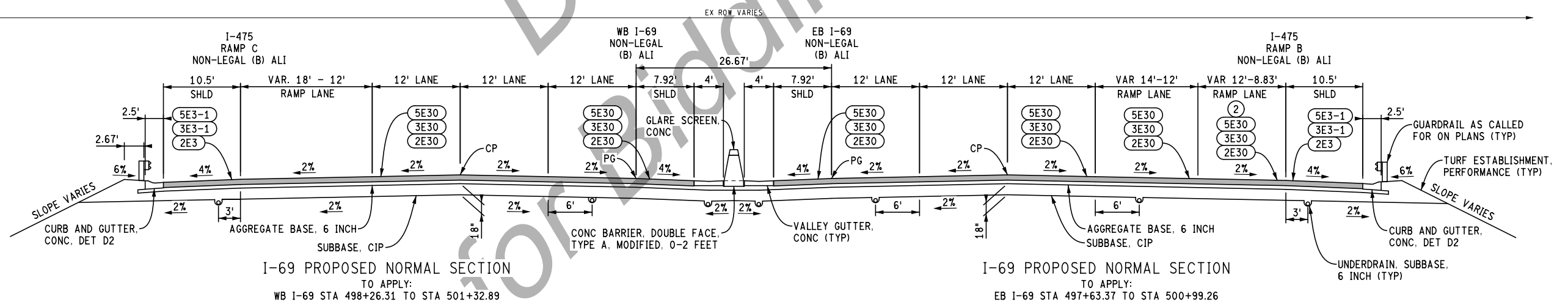
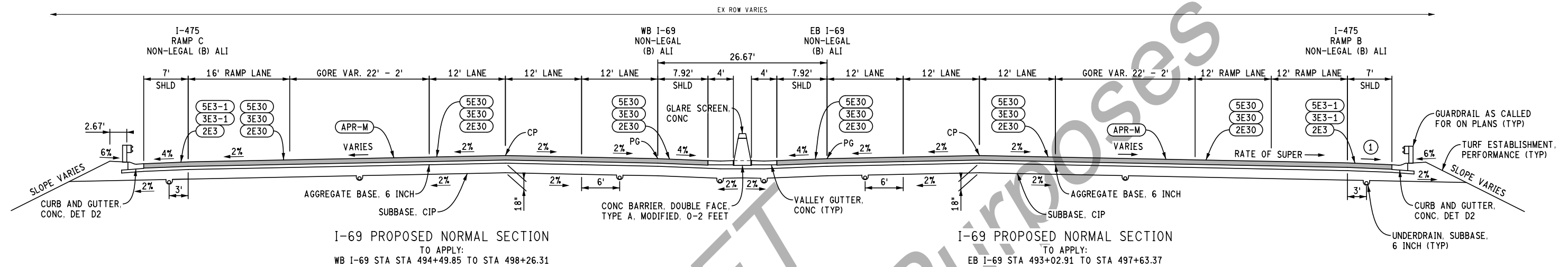
PROPOSED TYPICAL CROSS SECTIONS
I-69 MAINLINE
HMA ALTERNATIVE

DRAWING SHEET
I-69 PR TYP 003
47



① SHOULDER SLOPE PER R-107 SERIES STANDARD PLAN

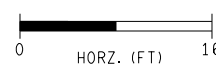
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											TSC: DAVISON		HMA ALTERNATIVE					



① SHOULDER SLOPE PER R-107 SERIES STANDARD PLAN

② STA 498+93.46 TO STA 500+99.26
HMA, APPROACH (APR-M)

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)					
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE



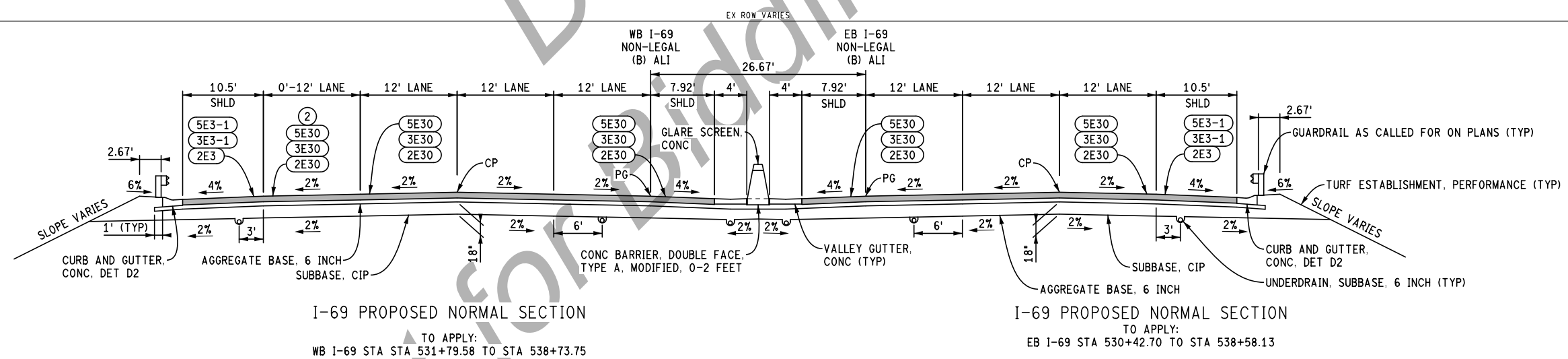
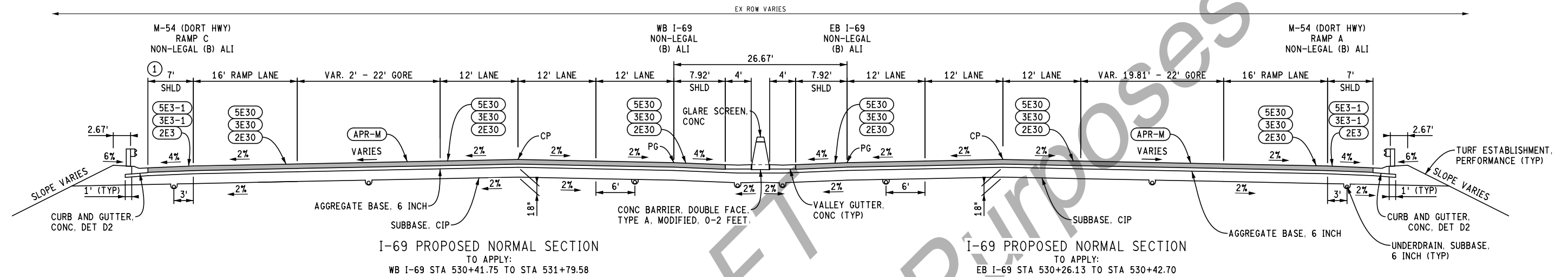
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DESIGN UNIT: BLOCK
TSC: DAVISON

CS: 25084, 25085, 25132
JN: 132026A

PROPOSED TYPICAL CROSS SECTIONS
I-69 MAINLINE
HMA ALTERNATIVE

DRAWING SHEET
I-69 PR TYP 008
52



① SHOULDER WIDTH VARIES: 10.5' - 7'

② STA 532+79.58 TO STA 535+79.58
HMA, APPROACH (APR-M)

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)												PROPOSED TYPICAL CROSS SECTIONS		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION					I-69 MAINLINE		I-69	SECT 1
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BERGMANN
ARCHITECTS ENGINEERS PLANNERS

MDOT
Michigan Department of Transportation

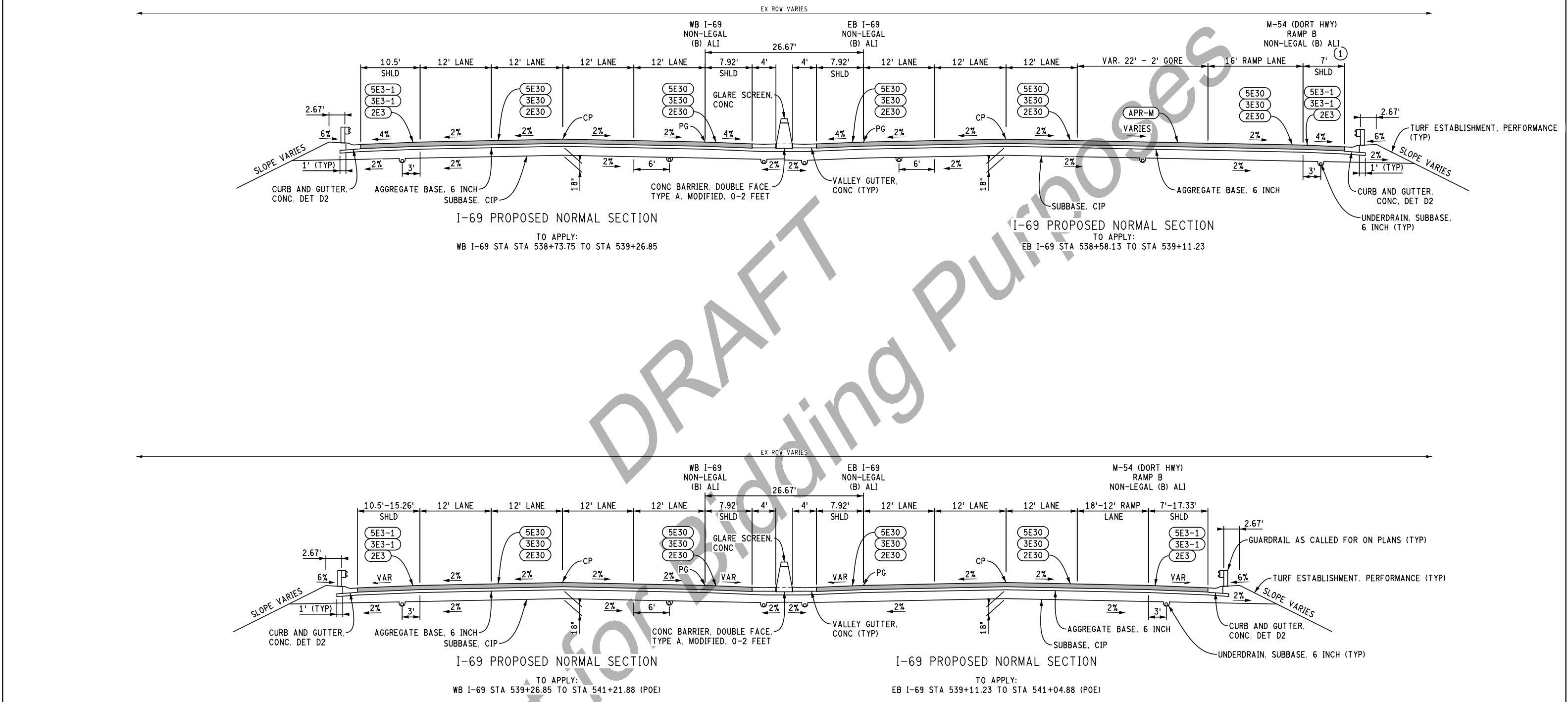
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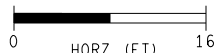
CS: 25084, 25085, 25132
JN: 132026A

I-69
PR TYP
011



① SHOULDER WIDTH VARIES: 10.5' - 7'

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)					
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE



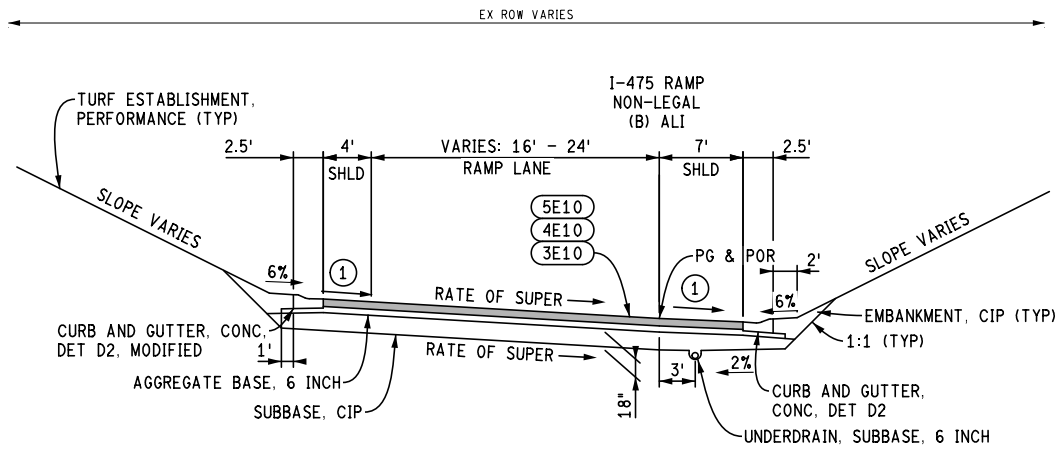
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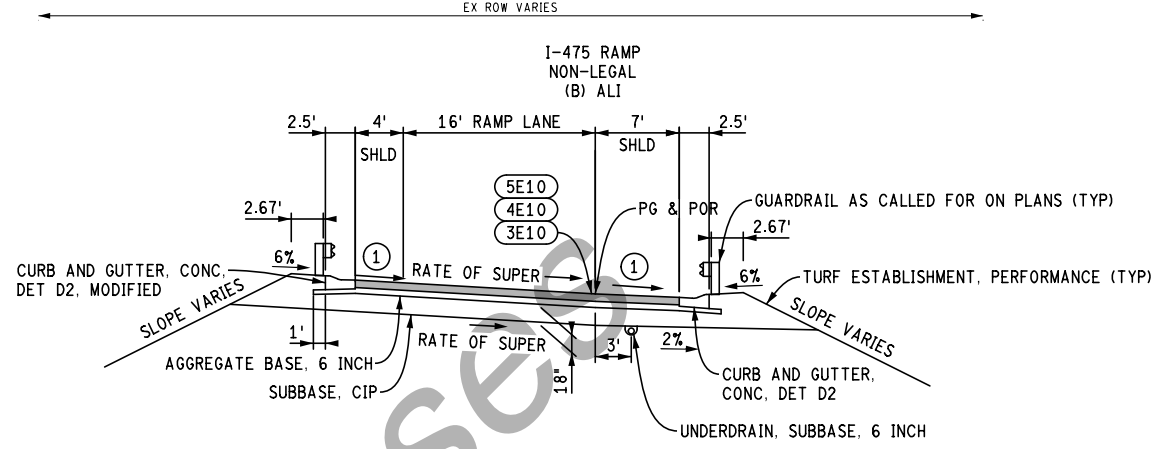
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I-69 MAINLINE
HMA ALTERNATIVE

DRAWING	SHEET
I-69 PR TYP 012	56



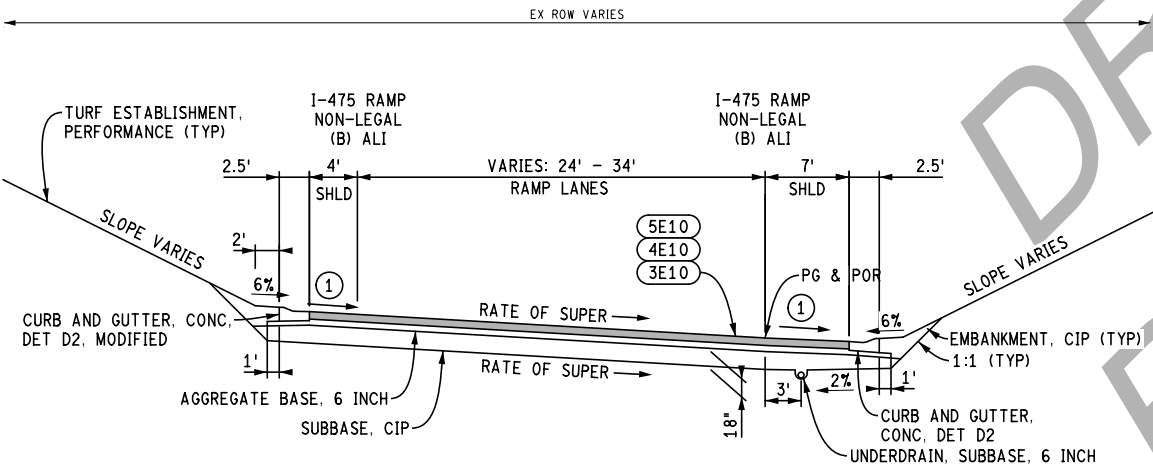
RAMP PROPOSED SUPERELEVATED SECTION

TO APPLY:
I-475 RAMP A: STA 107+68.57 TO STA 111+43.88
I-475 RAMP A: STA 124+75.77 TO STA 126+57.52
I-475 RAMP C: STA 305+52.79 TO STA 308+52.79
I-475 RAMP C: STA 331+97.68 TO STA 334+65.83



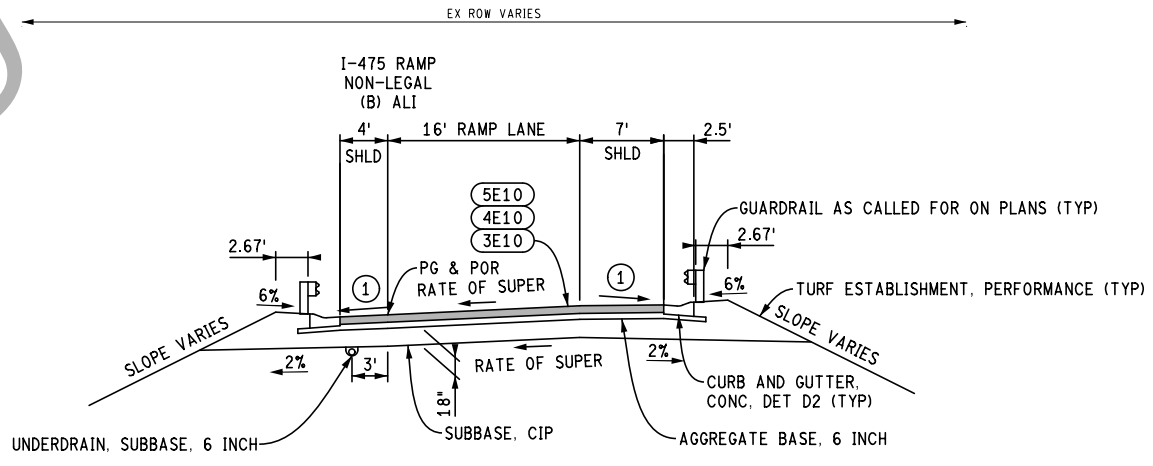
RAMP PROPOSED SUPERELEVATED SECTION

TO APPLY:
I-475 RAMP A: STA 113+64.83 TO STA 119+21.30
I-475 RAMP B: STA 212+36.57 TO STA 219+51.59
I-475 RAMP C: STA 317+08.26 TO STA 319+21.81
I-475 RAMP D: STA 914+25.20 TO STA 920+09.28



RAMP PROPOSED SUPERELEVATED SECTION

TO APPLY:
I-475 RAMP A: STA 111+43.88 TO STA 112+72.72
I-475 RAMP A: STA 120+02.02 TO STA 122+31.46
I-475 RAMP B: STA 206+01.54 TO STA 211+44.15
I-475 RAMP B: STA 220+73.54 TO STA 223+79.21
I-475 RAMP B: STA 228+21.59 TO STA 229+17.54
I-475 RAMP C: STA 308+52.79 TO STA 316+00.30
I-475 RAMP C: STA 328+16.70 TO STA 331+97.68
I-475 RAMP D: STA 907+52.03 TO STA 913+33.74
I-475 RAMP D: STA 920+97.97 TO STA 925+05.65

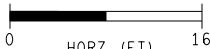


RAMP PROPOSED SUPERELEVATED SECTION

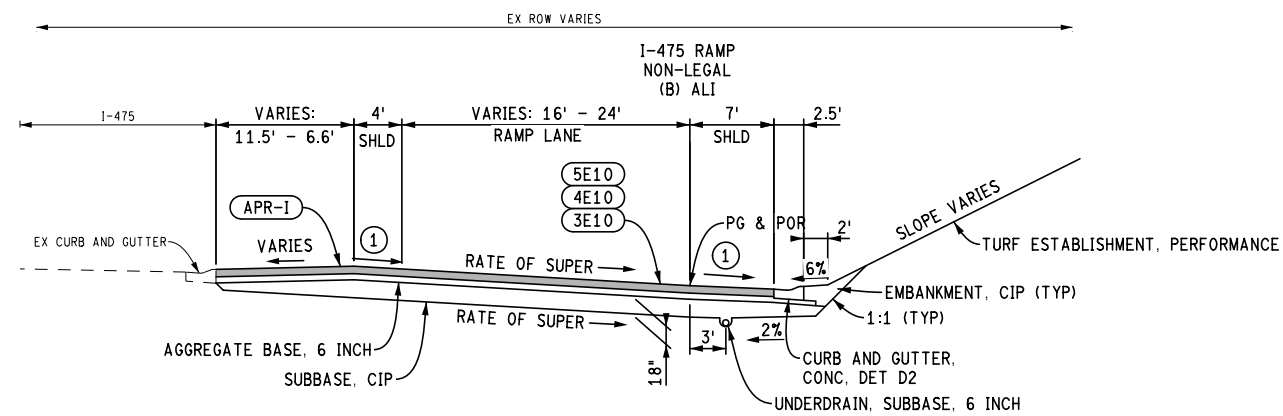
TO APPLY:
I-475 RAMP E: STA 502+28.12 TO STA 507+95.86
I-475 RAMP E: STA 512+86.63 TO STA 519+57.90
I-475 RAMP F: STA 602+64.27 TO STA 610+32.14
I-475 RAMP F: STA 615+23.13 TO STA 620+51.18
I-475 RAMP G: STA 702+28.87 TO STA 707+84.49
I-475 RAMP G: STA 714+04.00 TO STA 719+81.44
I-475 RAMP H: STA 802+22.96 TO STA 808+27
I-475 RAMP H: STA 814+46.52 TO STA 821+18.66

① SHOULDER SLOPE PER R-107 SERIES STANDARD PLAN

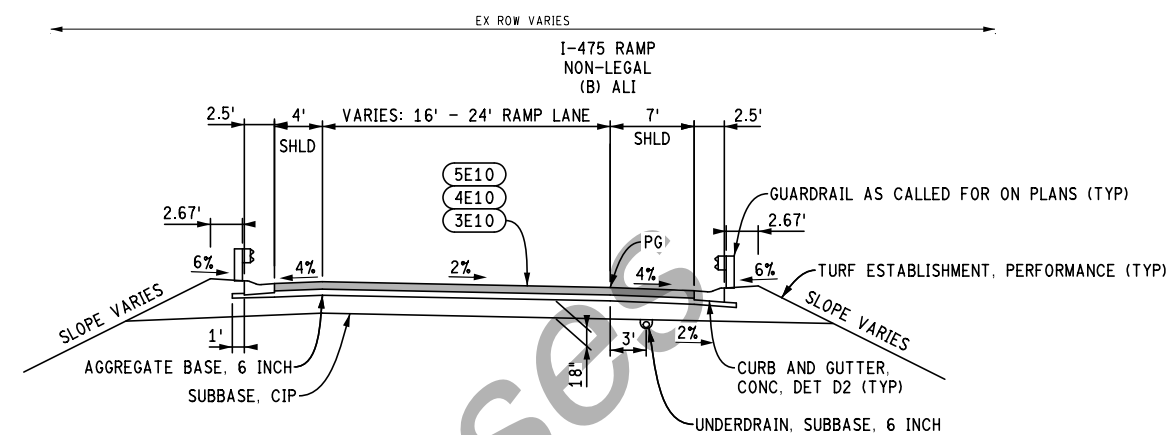
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NO.	DATE	AUTH	DESCRIPTION	NO.	DATE



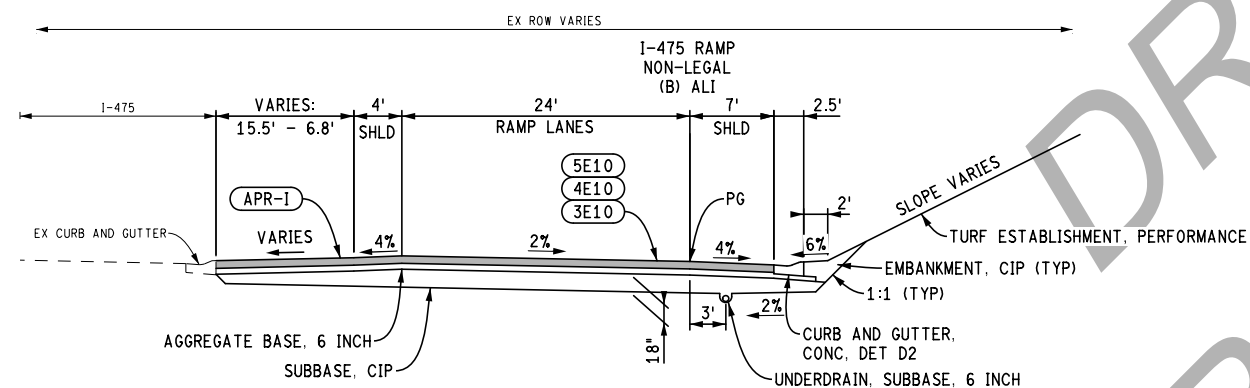
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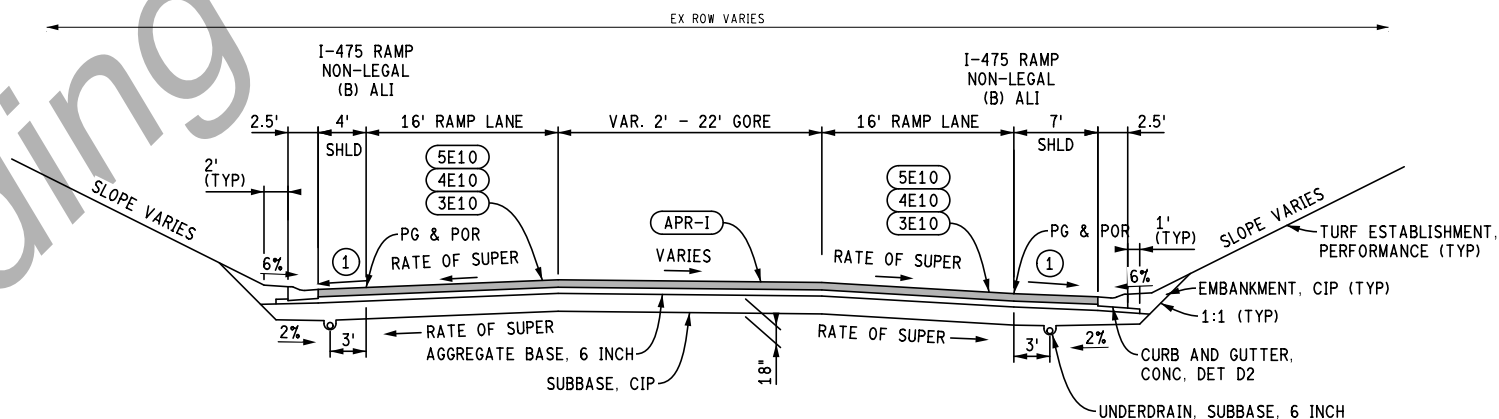
RAMP PROPOSED GORE SECTION
TO APPLY:
I-475 RAMP A: STA 126+57.52 TO STA 127+26.11
I-475 RAMP D: STA 906+41.88 TO STA 907+52.03



RAMP PROPOSED NORMAL SECTION
TO APPLY:
I-475 RAMP A: STA 122+31.46 TO STA 124+75.77
I-475 RAMP B: STA 205+52.14 TO STA 206+01.54
I-475 RAMP B: STA 223+79.21 TO STA 228+21.59
I-475 RAMP C: STA 319+21.81 TO STA 327+27.12



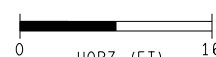
RAMP PROPOSED GORE SECTION
TO APPLY:
I-475 RAMP B: STA 204+59.31 TO STA 205+52.14
I-475 RAMP C: STA 334+65.83 TO STA 335+69.19



RAMP PROPOSED GORE SECTION
TO APPLY:
I-475 RAMP A: STA 112+72.72 TO STA 113+64.83
I-475 RAMP A: STA 119+21.30 TO STA 120+02.02
I-475 RAMP B: STA 211+44.15 TO STA 212+36.57
I-475 RAMP B: STA 219+51.59 TO STA 220+73.54
I-475 RAMP C: STA 316+00.30 TO STA 317+08.26
I-475 RAMP C: STA 327+27.12 TO STA 328+16.70
I-475 RAMP D: STA 913+33.74 TO STA 914+25.20
I-475 RAMP D: STA 920+09.28 TO STA 920+97.97

① SHOULDER SLOPE PER R-107 SERIES STANDARD PLAN

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)							
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION



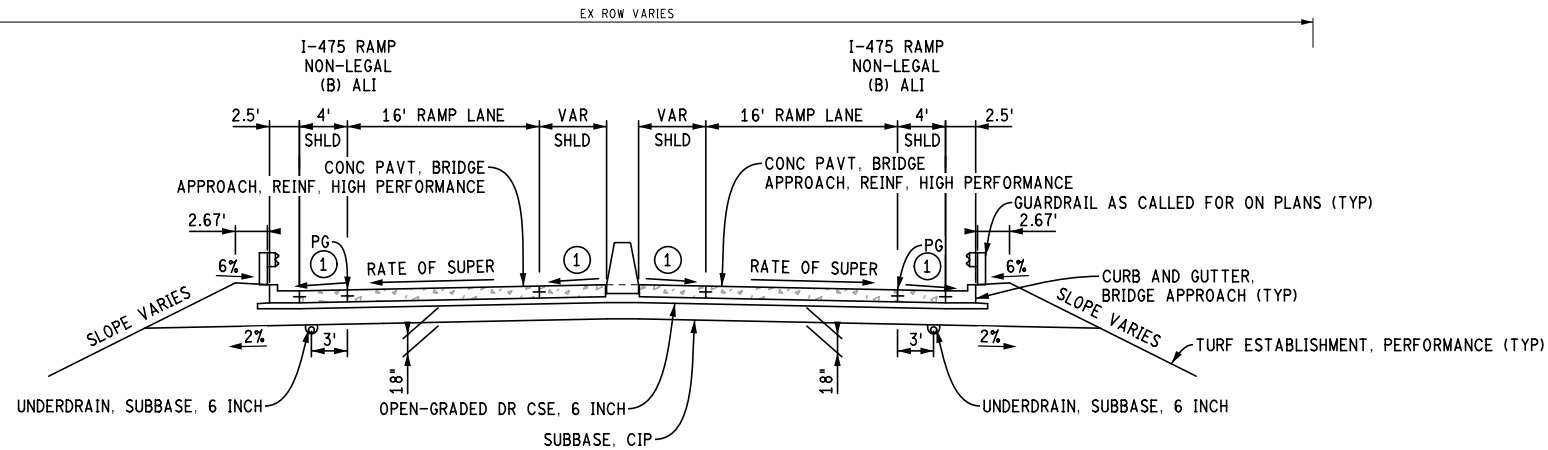
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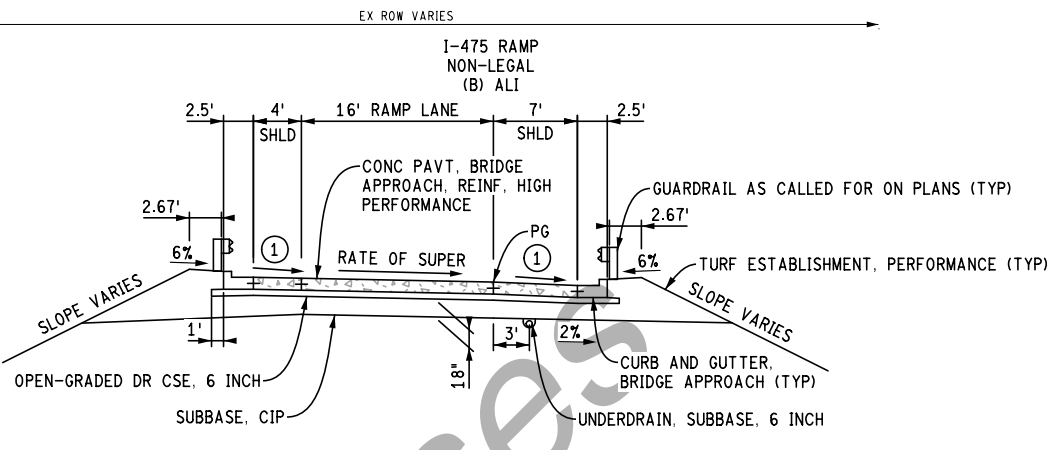
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I-69/I-475 INTERCHANGE RAMPS
HMA ALTERNATIVE

DRAWING SHEET
I-69 PR TYP 014 58



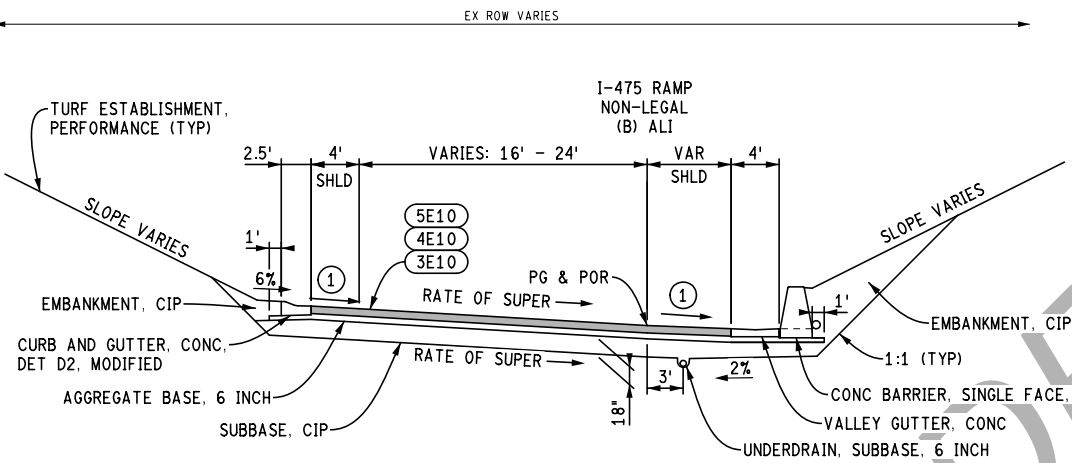
RAMP PROPOSED BRIDGE APPROACH SECTION

TO APPLY:
 I-475 RAMP G: STA 707+84.49 TO STA 708+04.49 (REF PT P)
 I-475 RAMP G: STA 713+84.11 (REF PT N) TO STA 714+04.00
 I-475 RAMP H: STA 808+27.00 TO STA 808+47.00 (REF PT L)
 I-475 RAMP H: STA 814+26.52 (REF PT M) TO STA 814+46.52



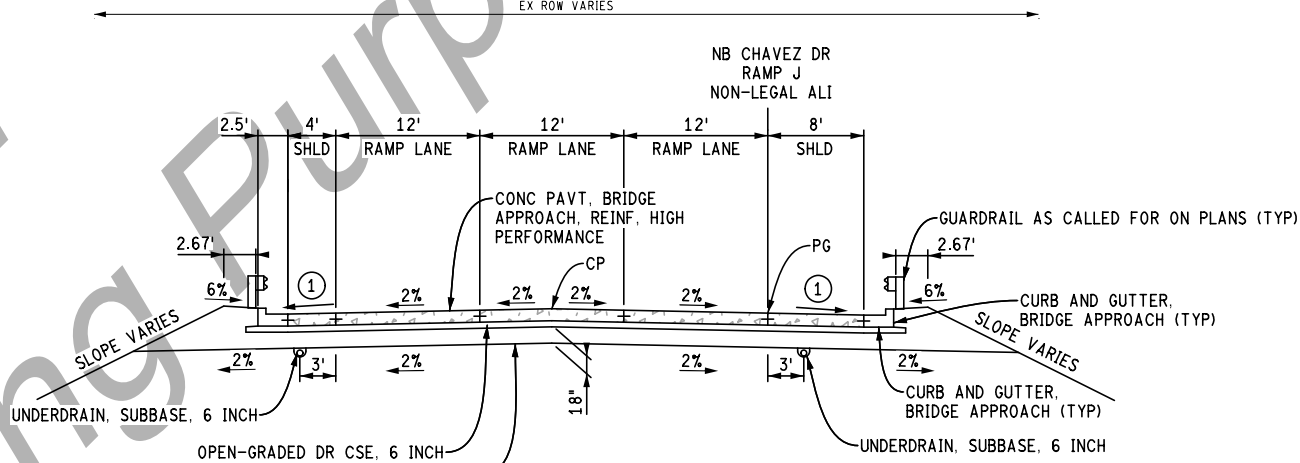
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TO APPLY:
 I-475 RAMP E: STA 507+95.86 TO STA 508+15.86 (REF PT G)
 I-475 RAMP E: STA 512+66.63 (REF PT H) TO STA 512+86.63
 I-475 RAMP F: STA 610+32.14 TO STA 610+52.14 (REF PT K)
 I-475 RAMP F: STA 615+03.13 (REF PT J) TO STA 615+23.13



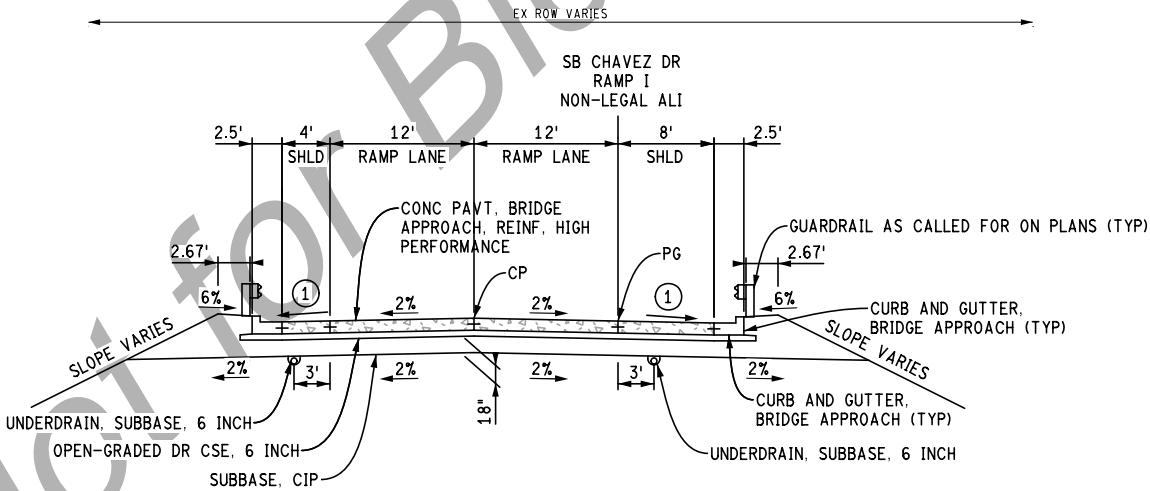
RAMP PROPOSED SUPERELEVATED SECTION

TO APPLY:
 I-475 RAMP D: STA 925+05.65 TO STA 927+99.95



RAMP PROPOSED BRIDGE APPROACH SECTION

TO APPLY:
 NB CHAVEZ DR RAMP J: STA 19+60.08 TO STA 19+80.08 (REF PT A)
 NB CHAVEZ DR RAMP J: STA 21+17.08 (REF PT B) TO STA 22+00.27

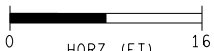


RAMP PROPOSED BRIDGE APPROACH SECTION

TO APPLY:
 SB CHAVEZ DR RAMP I: STA 1+37.94 TO STA 1+95.50 (REF PT A)
 SB CHAVEZ DR RAMP I: STA 3+23.50 (REF PT B) TO STA 3+43.50

① TRANSITION SHOULDER SLOPE TO MATCH BRIDGE

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)					
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE



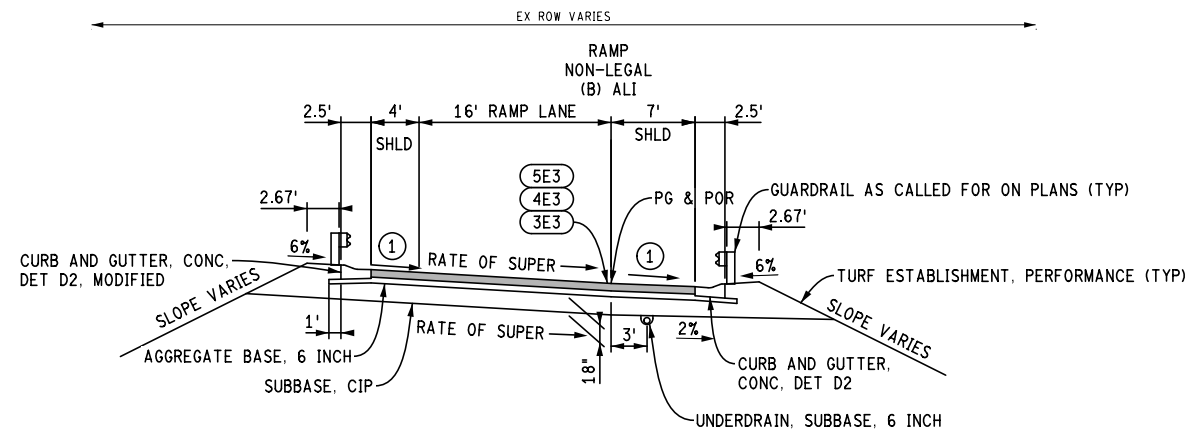
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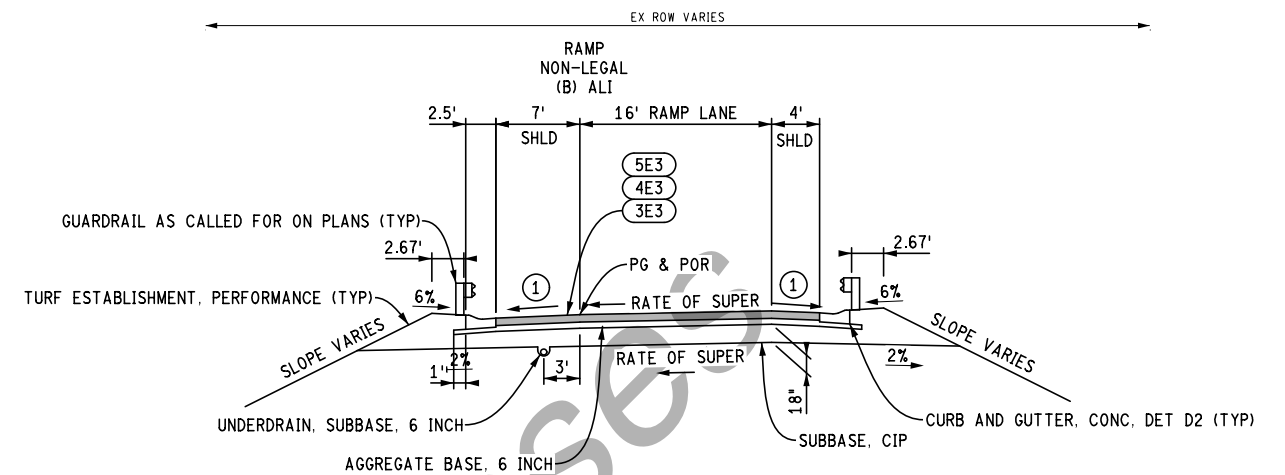
PROPOSED TYPICAL CROSS SECTIONS
 I-69/I-475 INTERCHANGE RAMPS
 HMA ALTERNATIVE

DRAWING
 I-69
 PR TYP
 015
 SHEET
 59



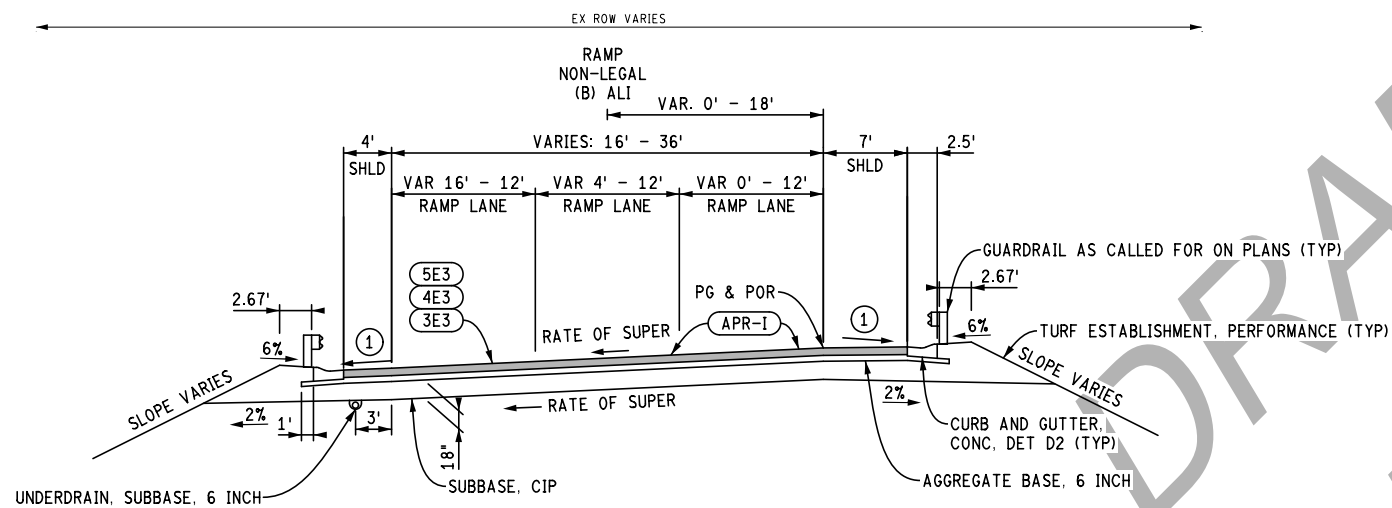
RAMP PROPOSED SUPERELEVATED SECTION

TO APPLY:
M-54 RAMP A: STA 130+41.25 TO STA 136+79.04
M-54 RAMP B: STA 232+34.76 TO STA 238+61.82



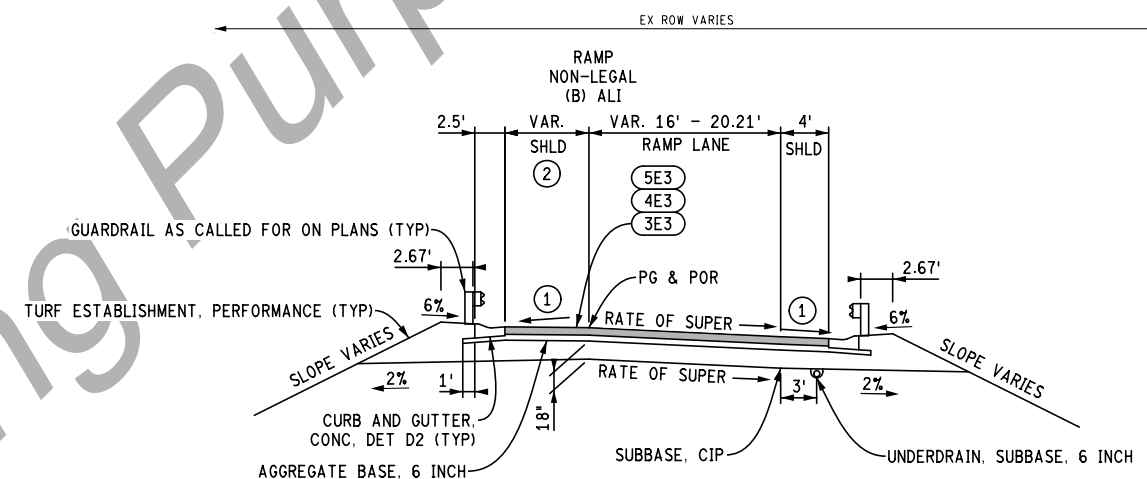
RAMP PROPOSED SUPERELEVATED SECTION

TO APPLY:
M-54 RAMP C: STA 329+61.96 TO STA 335+40.62



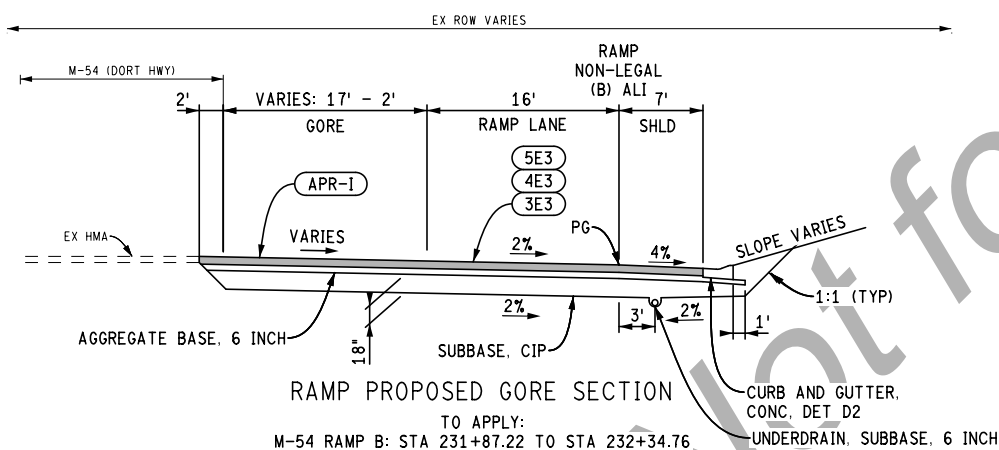
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TO APPLY:
M-54 RAMP A: STA 136+79.04 TO STA 141+42.18



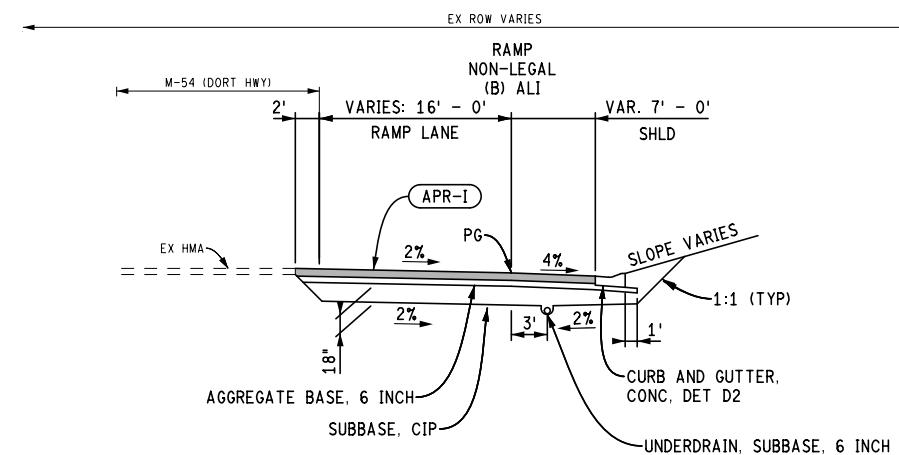
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TO APPLY:
M-54 RAMP C: STA 335+40.62 TO STA 337+92.12



RAMP PROPOSED GORE SECTION




TO APPLY:
M-54 RAMP B: STA 231+87.22 TO STA 232+34.76

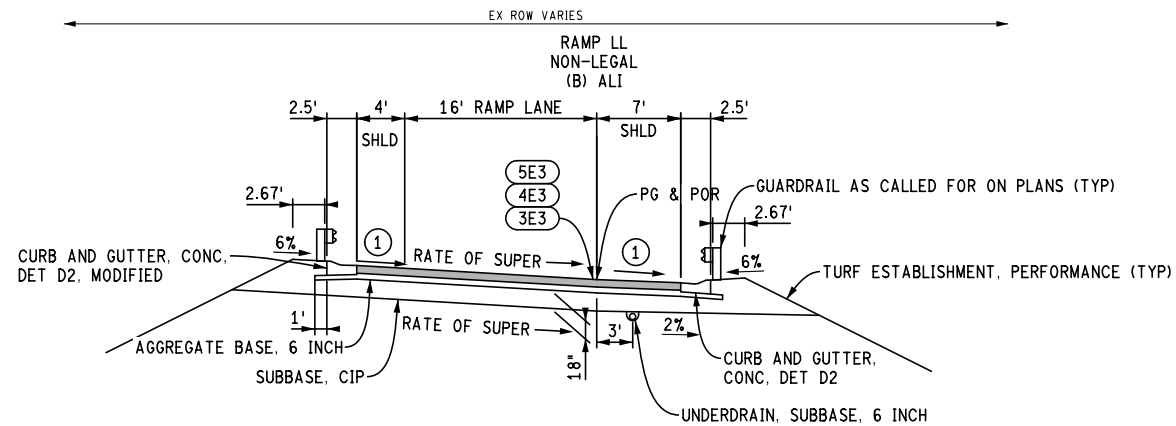


RAMP PROPOSED TAPER SECTION

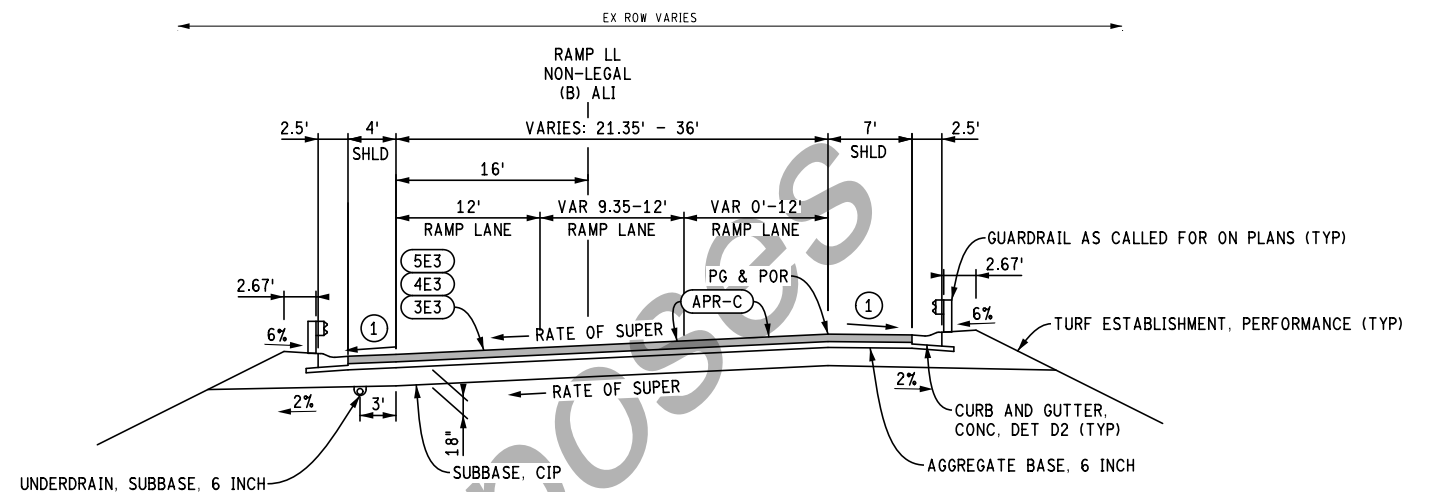
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M-54 RAMP B: STA 229+47.08 TO STA 231+87.22

① SHOULDER SLOPE PER R-107 SERIES STANDARD PLAN

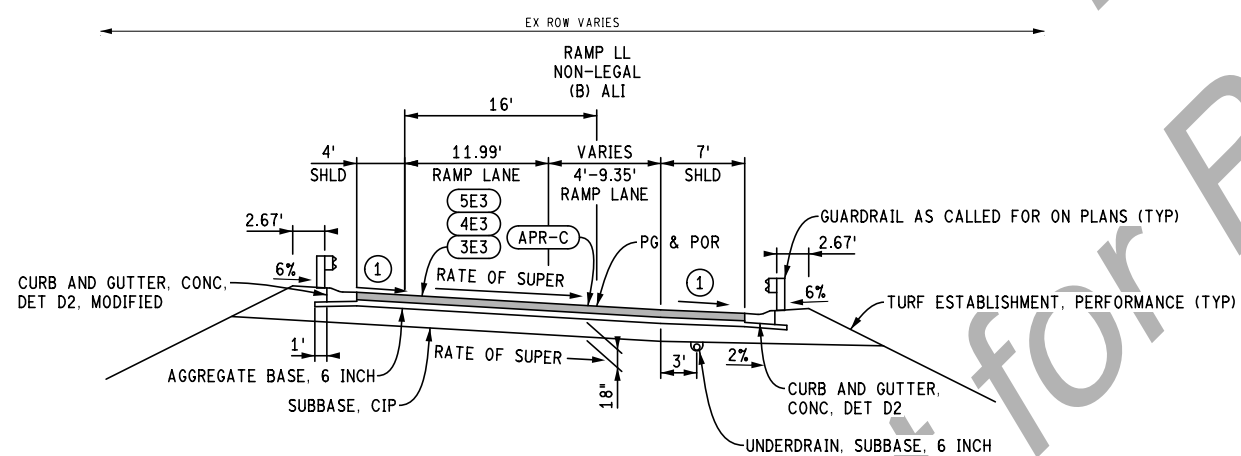
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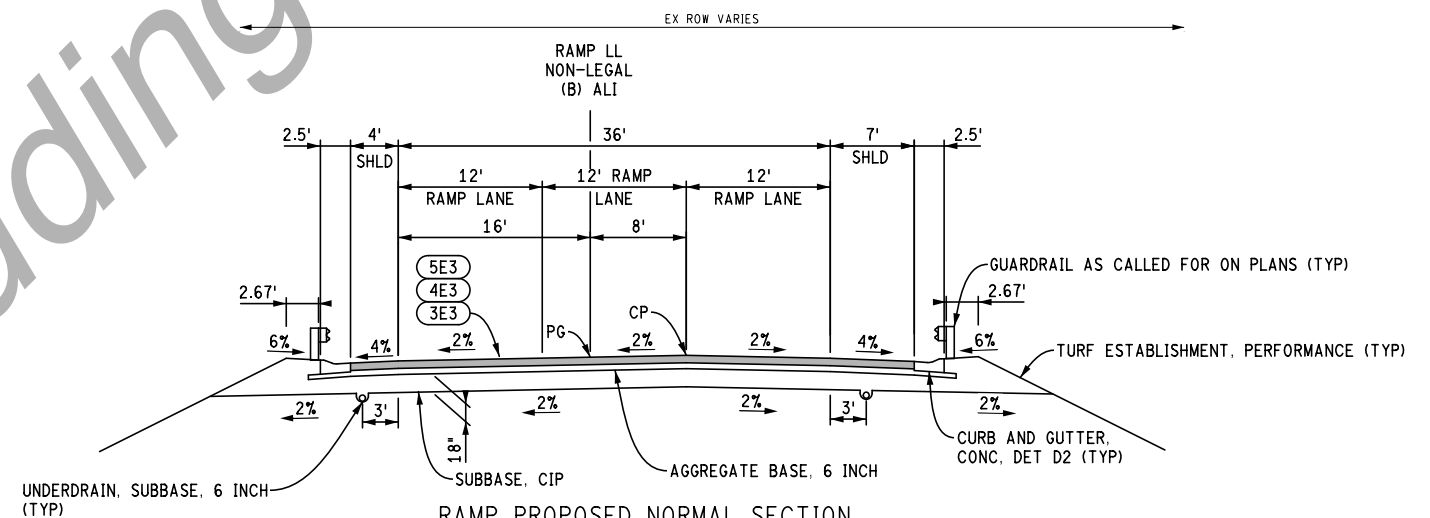
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TO APPLY:
9TH STREET RAMP LL: STA 141+56.21 TO STA 142+42.91



RAMP PROPOSED SUPERELEVATED SECTION
TO APPLY:
9TH STREET RAMP LL: STA 143+20 TO STA 146+75.30



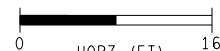
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TO APPLY:
9TH STREET RAMP LL: STA 142+42.91 TO STA 143+20



RAMP PROPOSED NORMAL SECTION
TO APPLY:
9TH STREET RAMP LL: STA 146+75.30 TO STA 147+35.48

① SHOULDER SLOPE PER R-107 SERIES STANDARD PLAN

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)							
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION



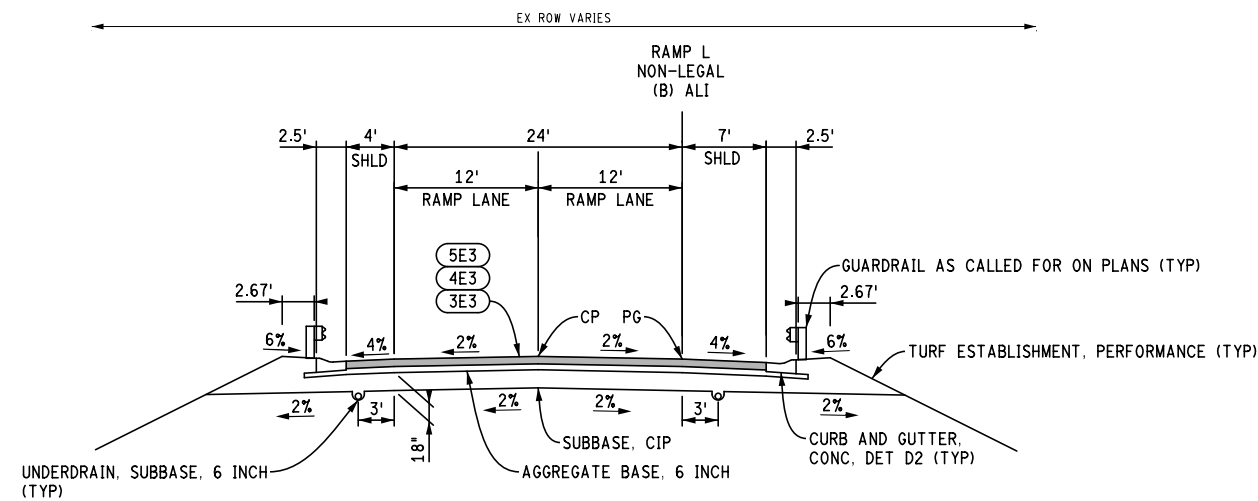
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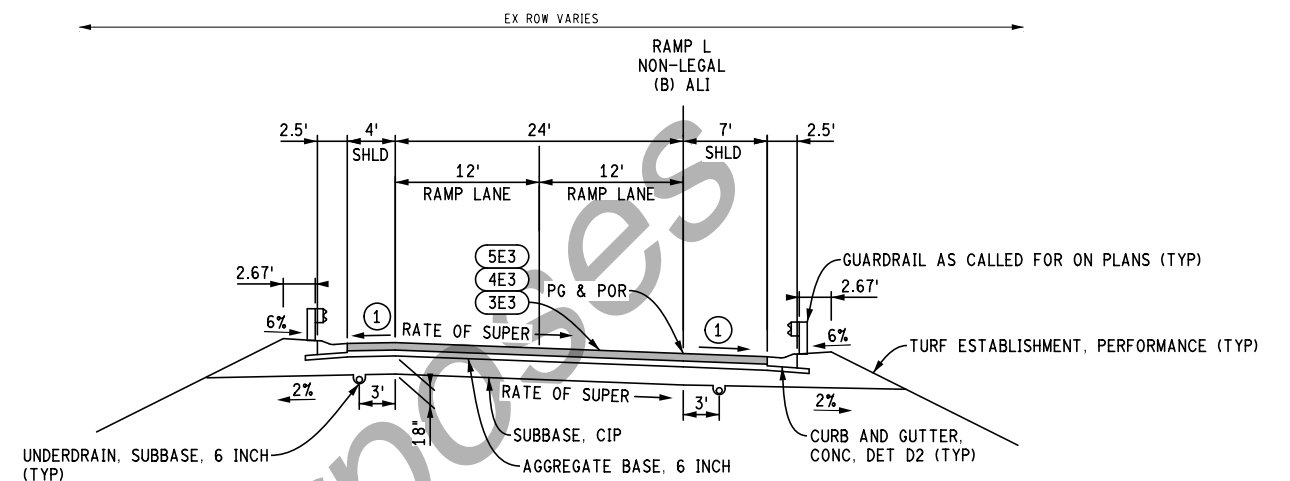
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I-69 SERVICE DRIVE RAMPS
HMA ALTERNATIVE

DRAWING SHEET
I-69 PR TYP 017
61



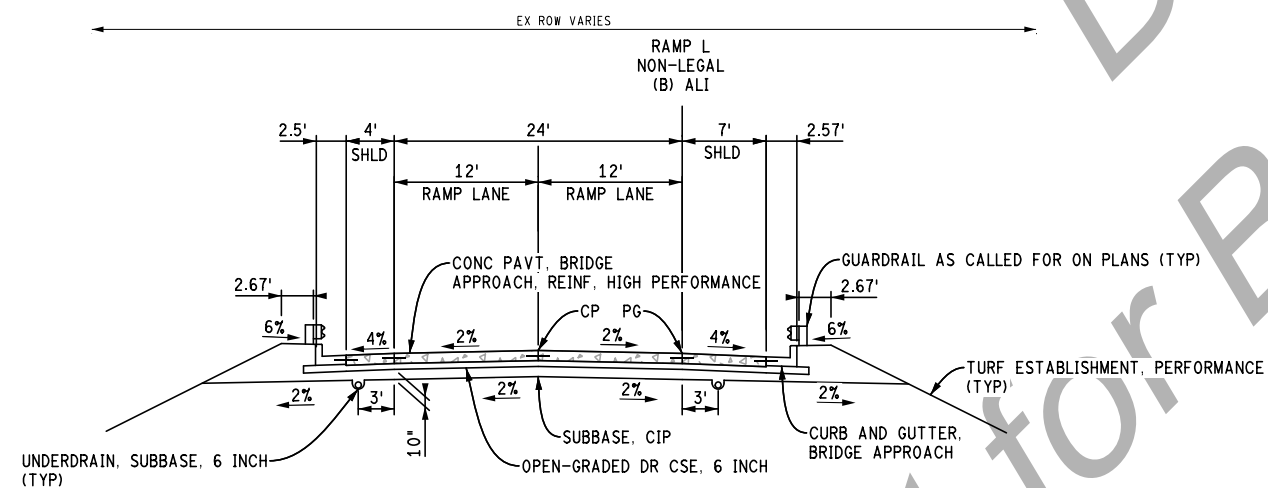
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TO APPLY:
9TH STREET RAMP L: STA 100+00.00 TO STA 101+63.70



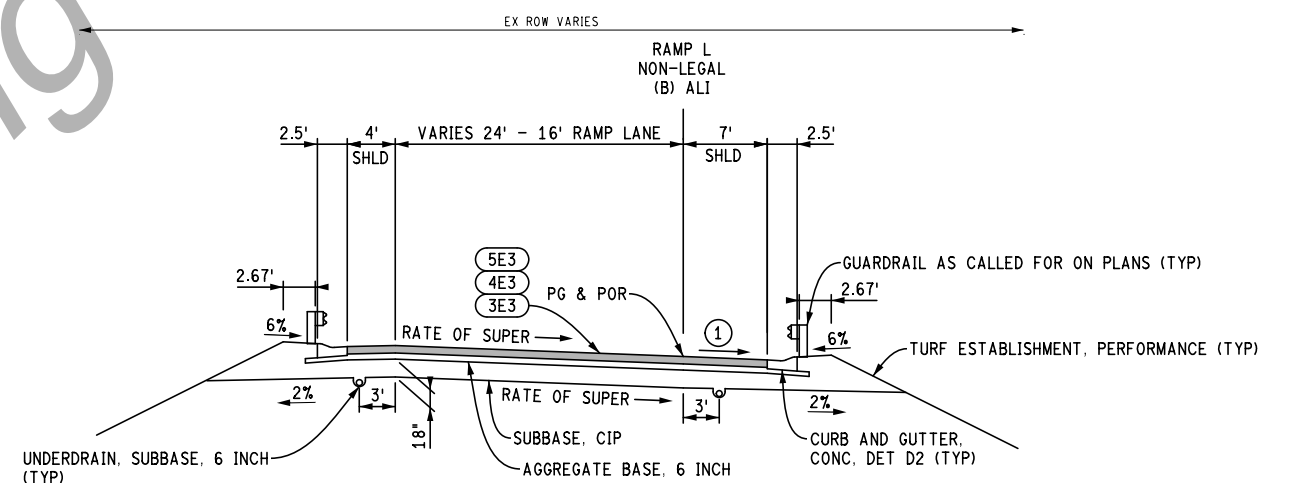
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TO APPLY:
9TH STREET RAMP L: STA 103+77.69 TO STA 105+84.80



RAMP PROPOSED NORMAL SECTION

TO APPLY:
9TH STREET RAMP L: STA 101+63.70 TO STA 102+25.00 (S11 OF 25132 REF PT A)
9TH STREET RAMP L: STA 103+57.50 (S11 OF 25132 REF PT B) TO STA 103+77.69



RAMP PROPOSED SUPERELEVATED SECTION

TO APPLY:
9TH STREET RAMP L: STA 105+84.80 TO STA 108+86.41

① SHOULDER SLOPE PER R-107 SERIES STANDARD PLAN

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)																			
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BERGMANN
ARCHITECTS ENGINEERS PLANNERS

MDOT
Michigan Department of Transportation

0 16
HORZ. (FT)

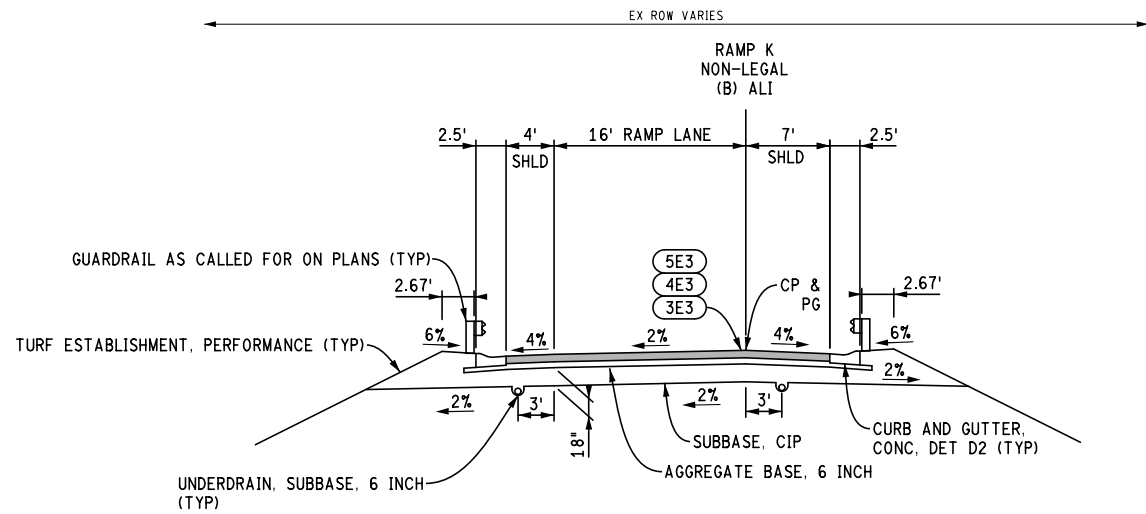
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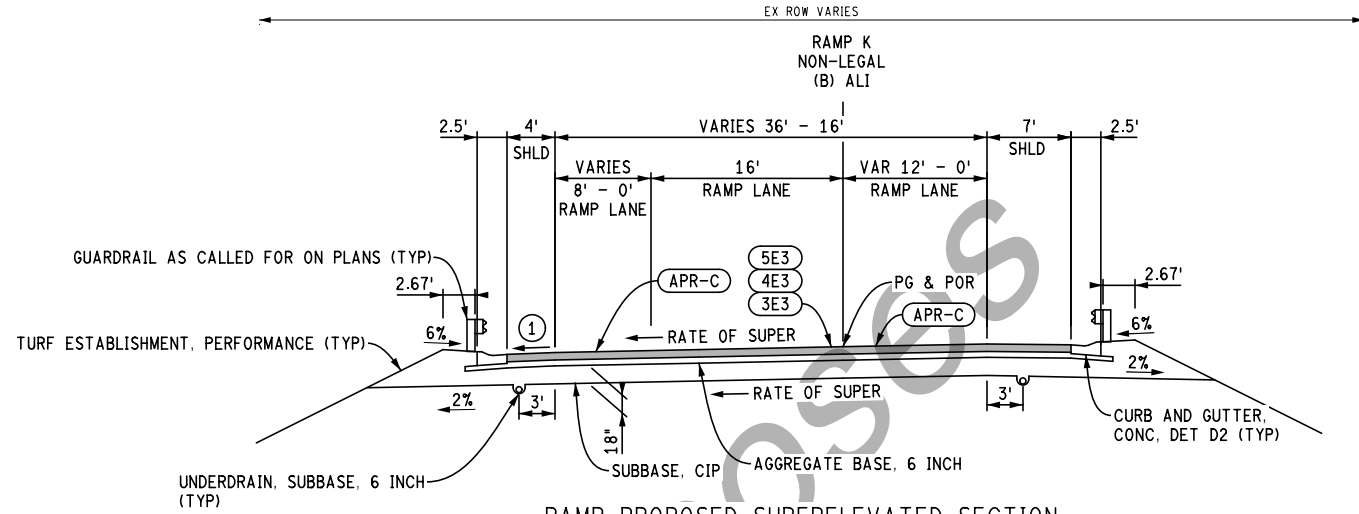
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PROPOSED TYPICAL CROSS SECTIONS
I-69 SERVICE DRIVE RAMPS
HMA ALTERNATIVE

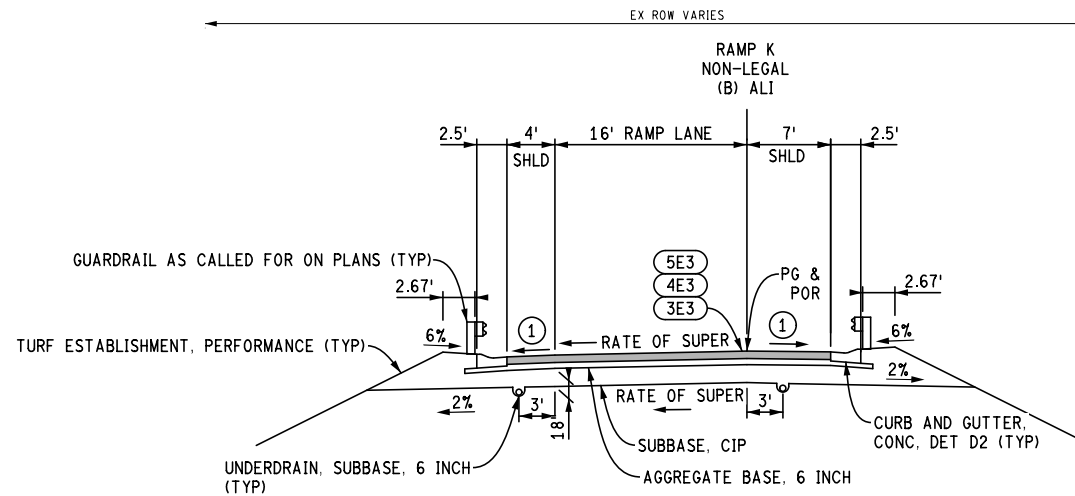
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I-69 PR TYP 018
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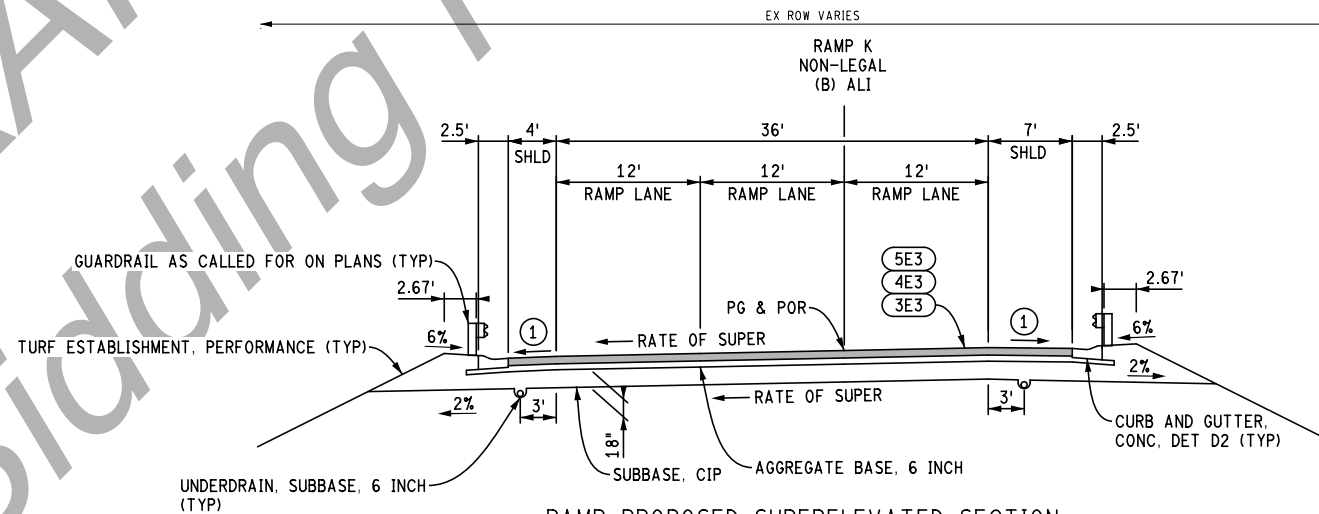
RAMP PROPOSED NORMAL SECTION
TO APPLY:
8TH STREET RAMP K: STA 13+52.59 TO STA 15+22.75



RAMP PROPOSED SUPERELEVATED SECTION
TO APPLY:
8TH STREET RAMP K: STA 18+01.89 TO STA 21+01.89



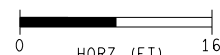
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TO APPLY:
8TH STREET RAMP K: STA 15+22.75 TO STA 18+01.89



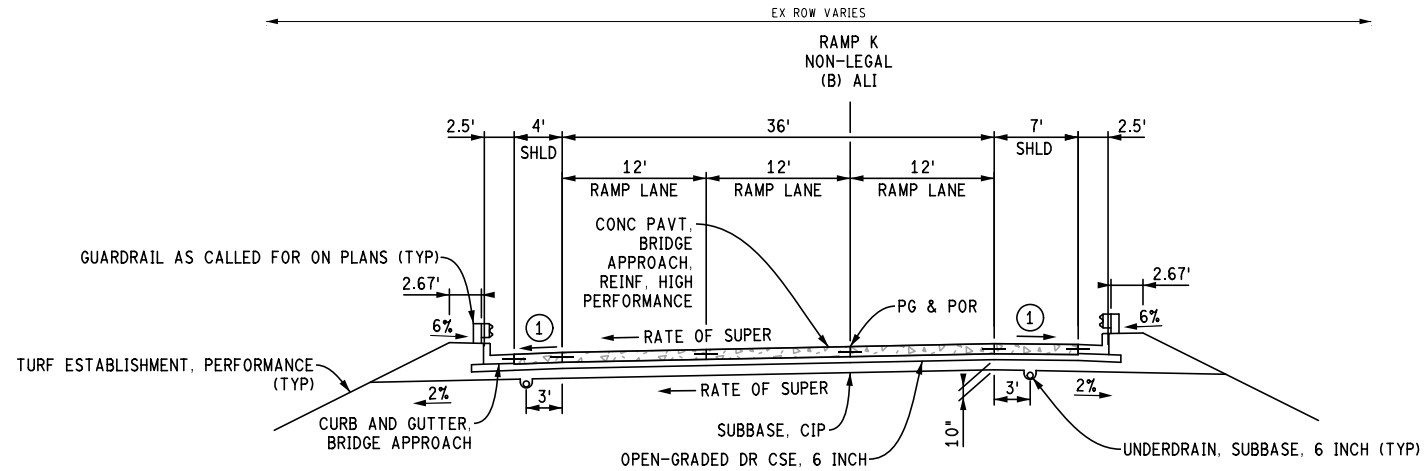
RAMP PROPOSED SUPERELEVATED SECTION
TO APPLY:
8TH STREET RAMP K: STA 21+01.89 TO STA 21+54.92
8TH STREET RAMP K: STA 23+55.02 TO STA 26+03.11

① SHOULDER SLOPE PER R-107 SERIES STANDARD PLAN

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)					
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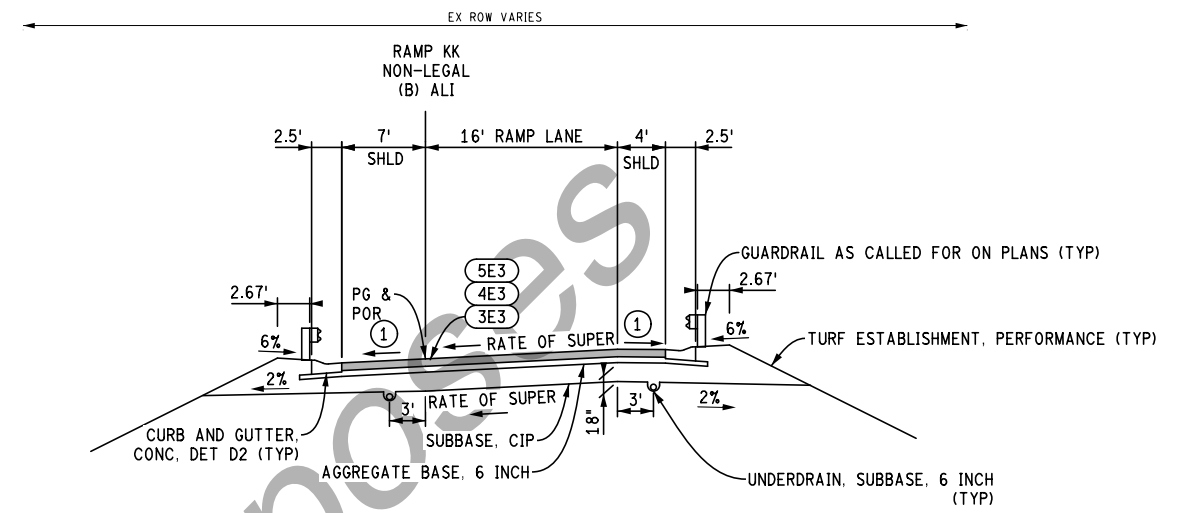


DATE: 07/27/2020	CS: 25084, 25085, 25132	PROPOSED TYPICAL CROSS SECTIONS	DRAWING	SHEET
DESIGN UNIT: BLOCK	JN: 132026A	I-69 SERVICE DRIVE RAMPS	I-69	PR TYP
FILE: 128093_PR_TYP_Svc_Drive_001.dgn	TSC: DAVISON	HMA ALTERNATIVE	019	63



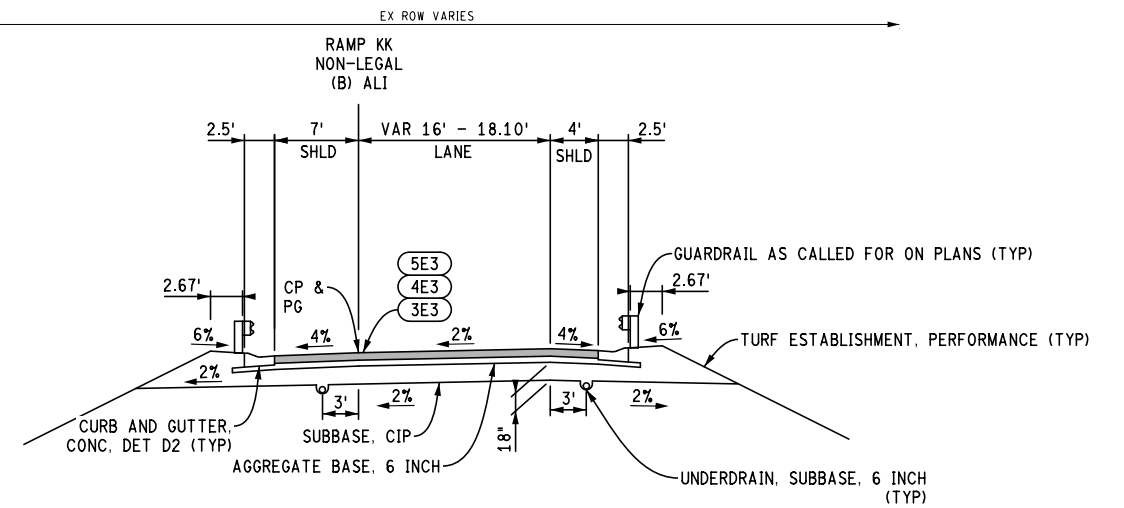
RAMP PROPOSED SUPERELEVATED SECTION

TO APPLY:
8TH STREET RAMP K: STA 21+54.92 TO STA 21+91.31 (S12 OF 25132 REF PT A)
8TH STREET RAMP K: STA 22+95.94 (S12 OF 25132 REF PT B) TO STA 23+55.02



RAMP PROPOSED SUPERELEVATED SECTION

TO APPLY:
8TH STREET RAMP KK: STA 542+00.93 TO STA 542+84.19

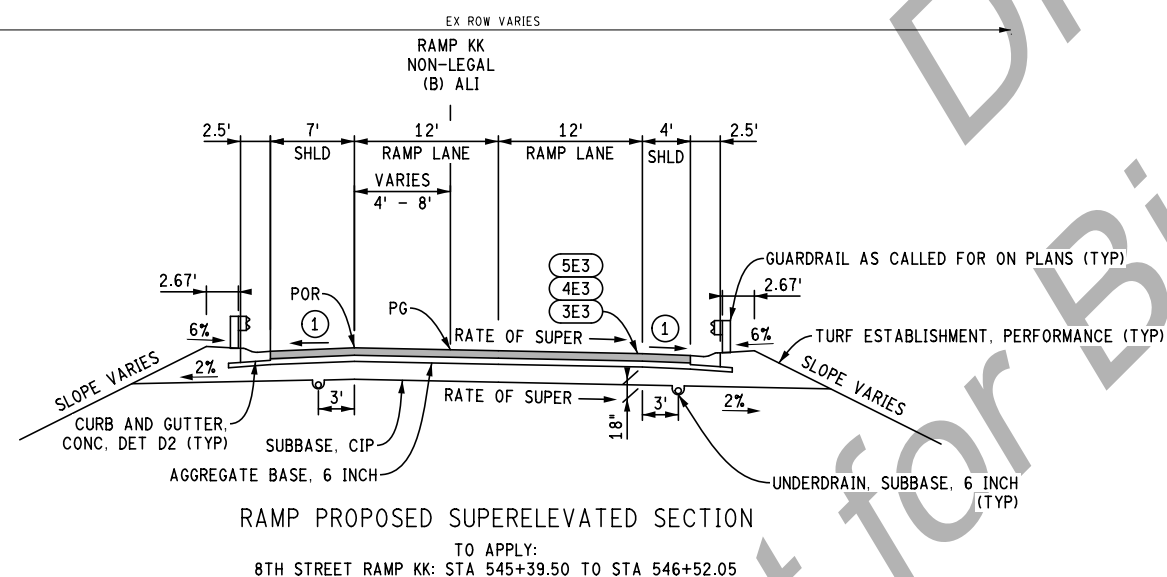
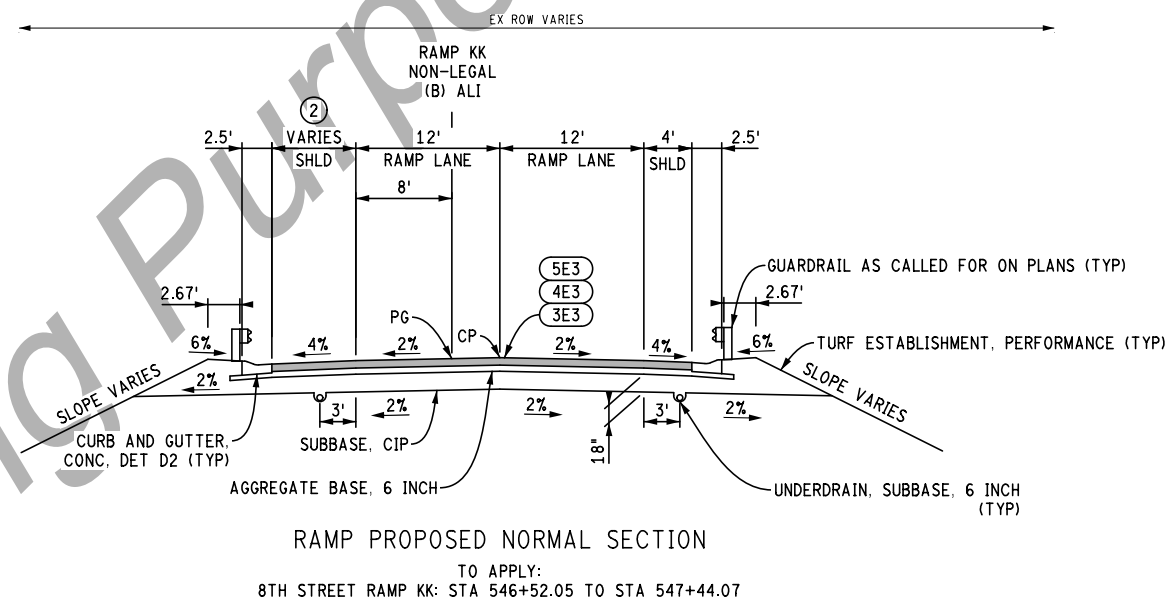
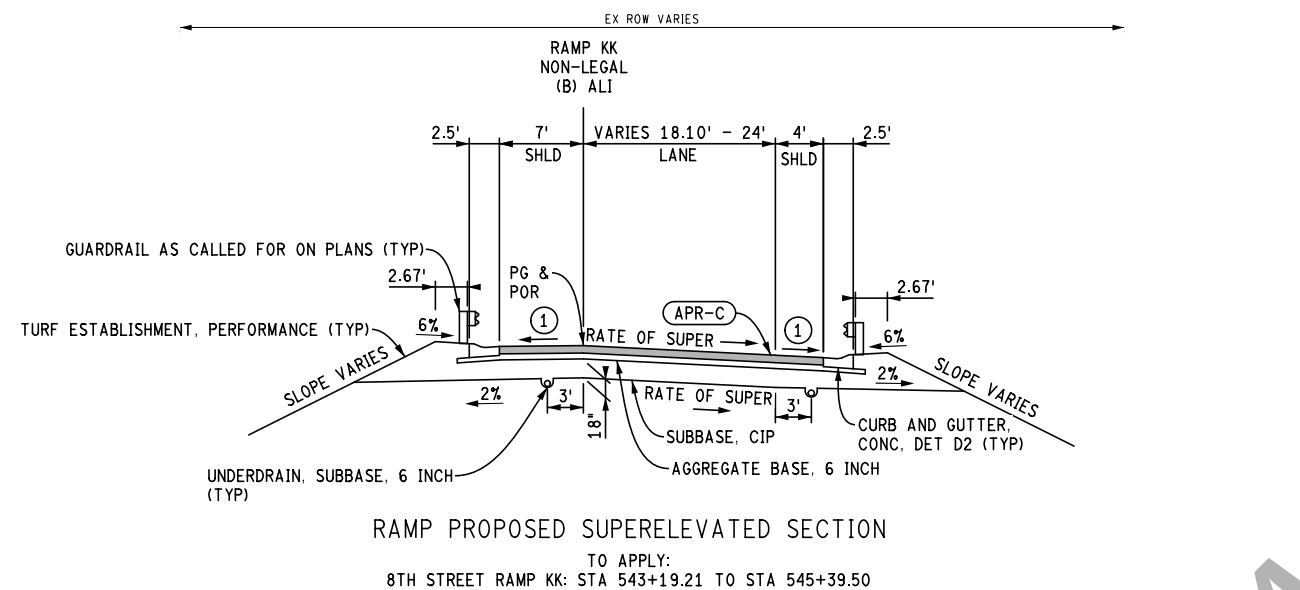


RAMP PROPOSED NORMAL SECTION

TO APPLY:
8TH STREET RAMP KK: STA 542+84.19 TO STA 543+19.21

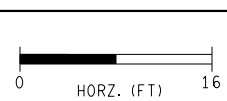
① SHOULDER SLOPE PER R-107 SERIES STANDARD PLAN

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)						 ARCHITECTS ENGINEERS PLANNERS	 Michigan Department of Transportation	 HORZ. (FT) 16	DATE: 07/27/2020 DESIGN UNIT: BLOCK TSC: DAVISON	CS: 25084, 25085, 25132 JN: 132026A	PROPOSED TYPICAL CROSS SECTIONS I-69 SERVICE DRIVE RAMPS HMA ALTERNATIVE	DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION						



- ① SHOULDER SLOPE PER R-107 SERIES STANDARD PLAN
② SHOULDER VARIES 7' - 3'

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)					
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE

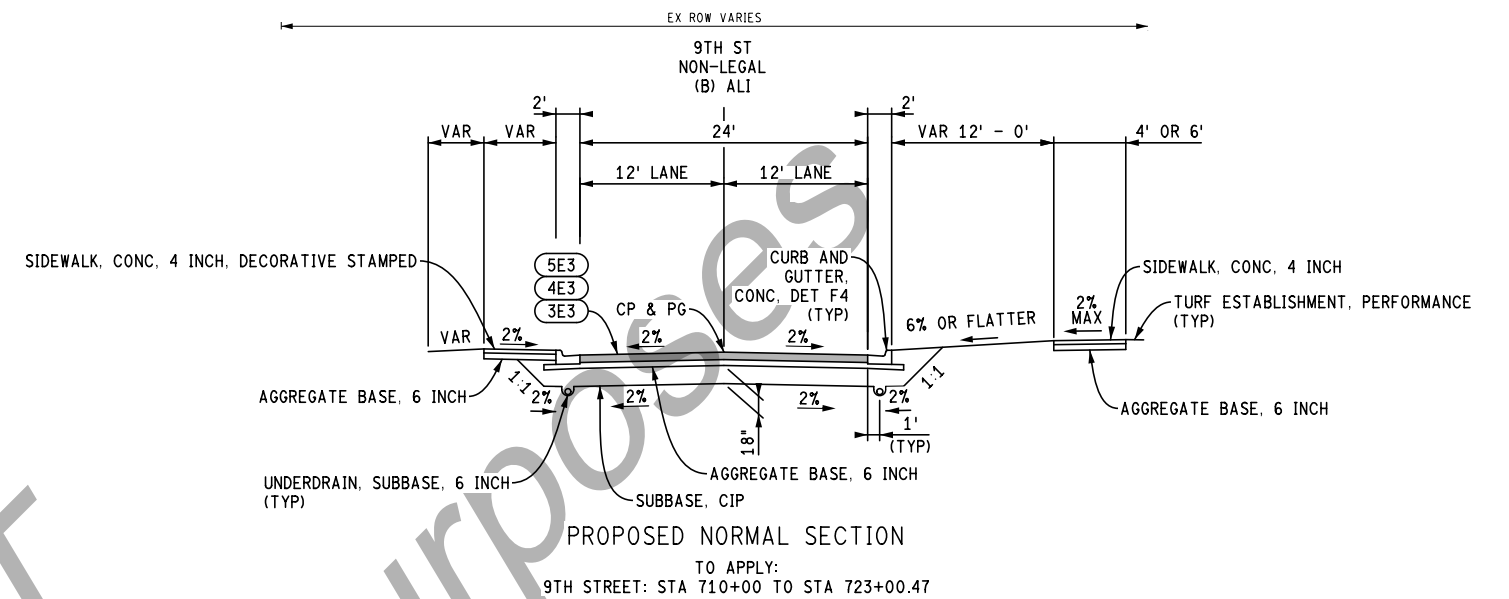
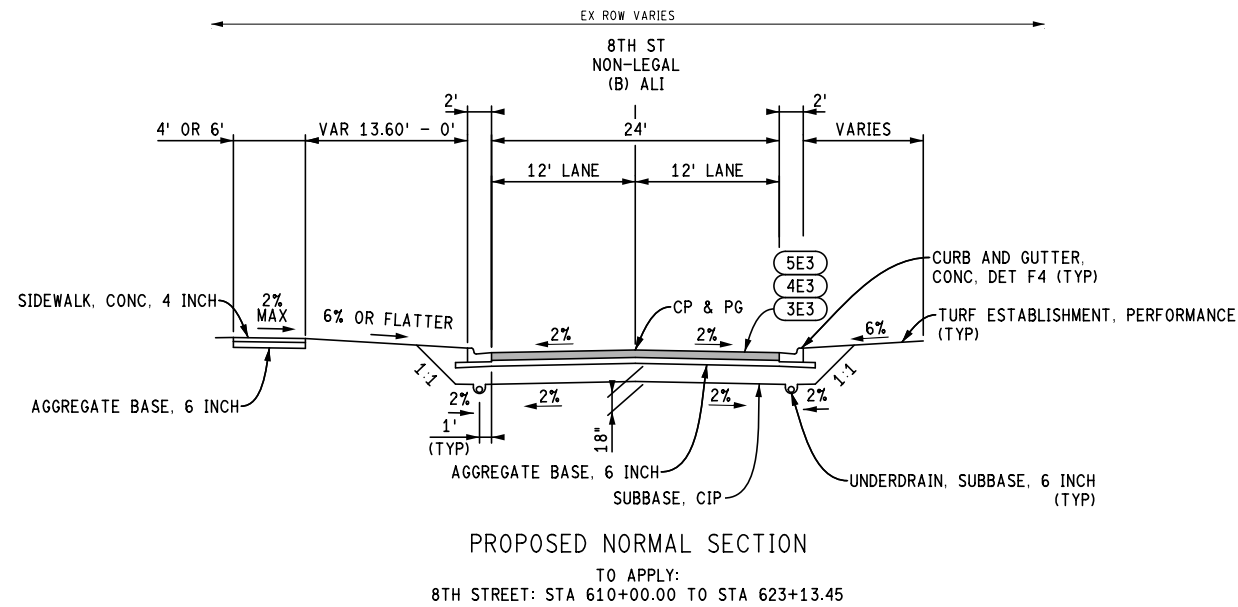


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DATE: 07/27/2020
DESIGN UNIT: BLOCK
TSC: DAVISON

CS: 25084, 25085, 25132
JN: 132026A

PROPOSED TYPICAL CROSS SECTIONS		DRAWING	SHEET
I-69 SERVICE DRIVE RAMPS		I-69 PR TYP 021	65
HMA ALTERNATIVE			



FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)										PROPOSED TYPICAL CROSS SECTIONS		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION			I-69 SERVICE DRIVES		I-69 PR TYP 022	SECT 1
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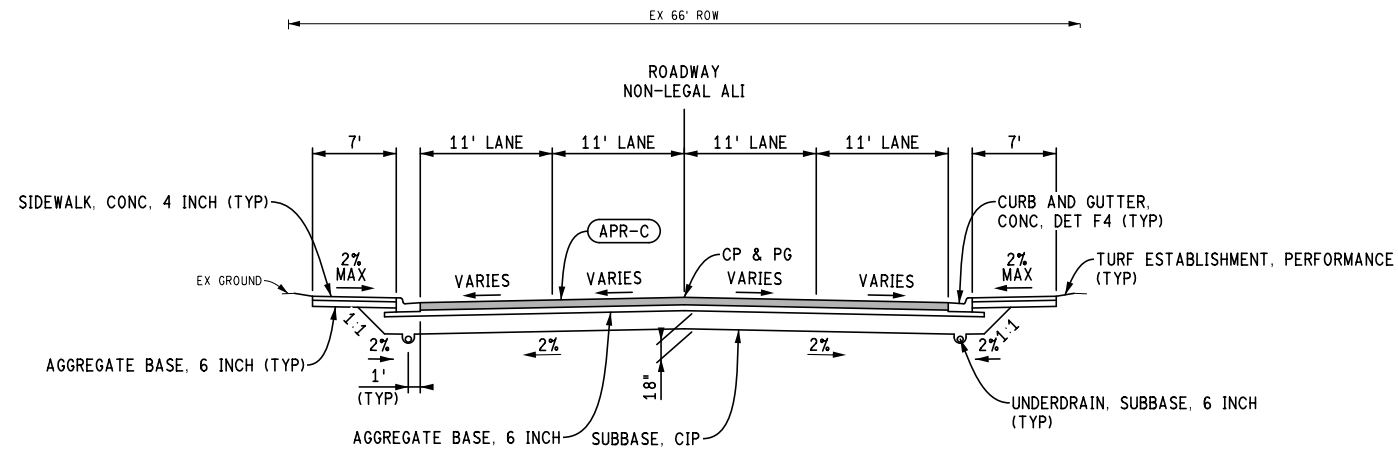
MDOT
Michigan Department of Transportation

0 16
HORZ. (FT)

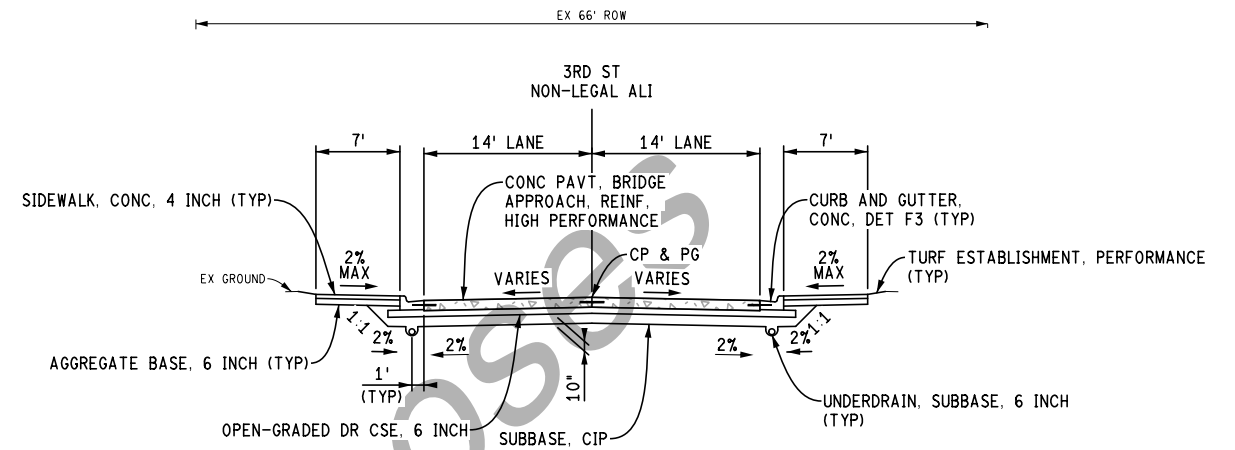
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TSC: DAVISON

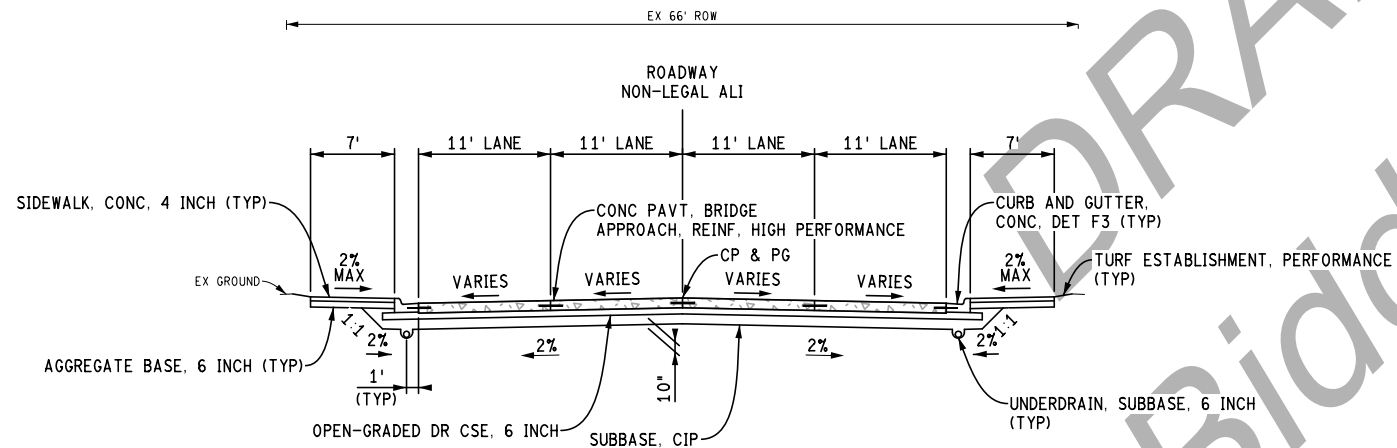
CS: 25084, 25085, 25132
JN: 132026A



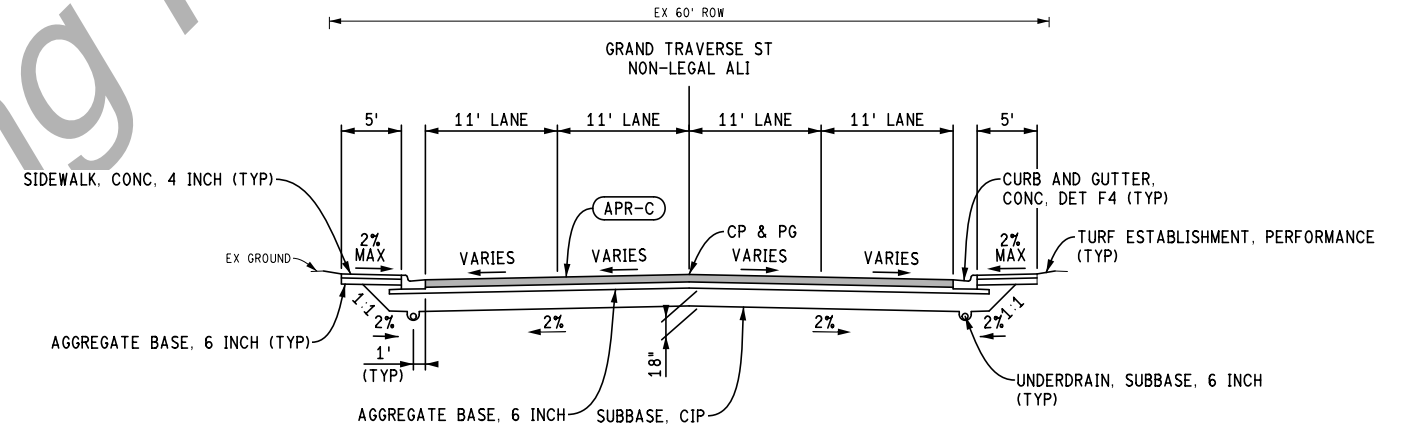
PROPOSED LOCAL ROAD SECTION
TO APPLY:
BEACH ST: STA 30+25.00 TO STA 31+30.83
BEACH ST: STA 33+76.75 TO STA 34+59.55
CHURCH ST: STA 20+25.06 TO STA 21+41.71
CHURCH ST: STA 23+61.16 TO STA 24+48.24



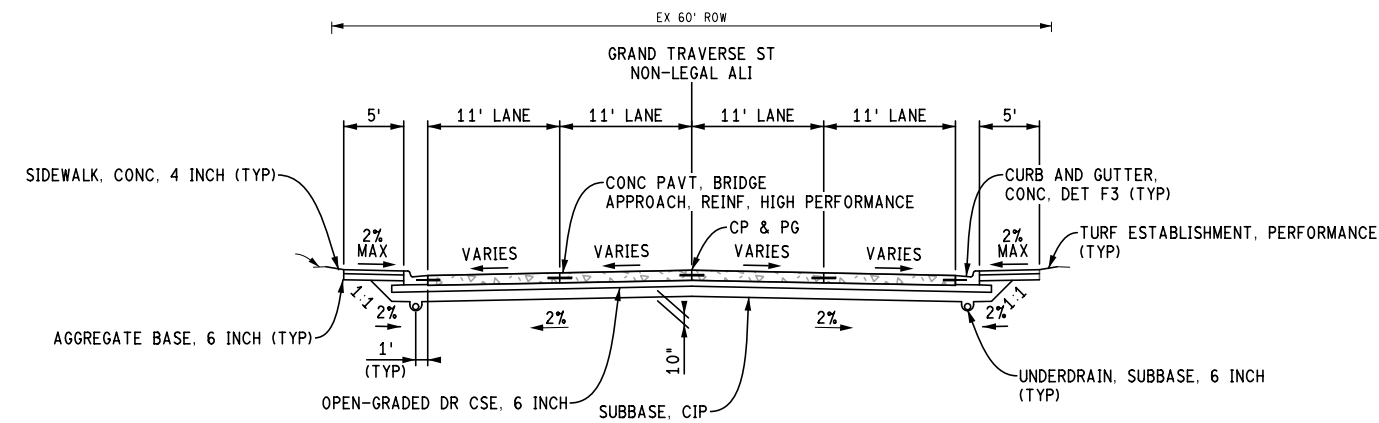
PROPOSED LOCAL ROAD SECTION
TO APPLY:
3RD ST: STA 8+93.31 TO STA 9+21.64
3RD ST: STA 10+82.42 TO STA 11+16.93



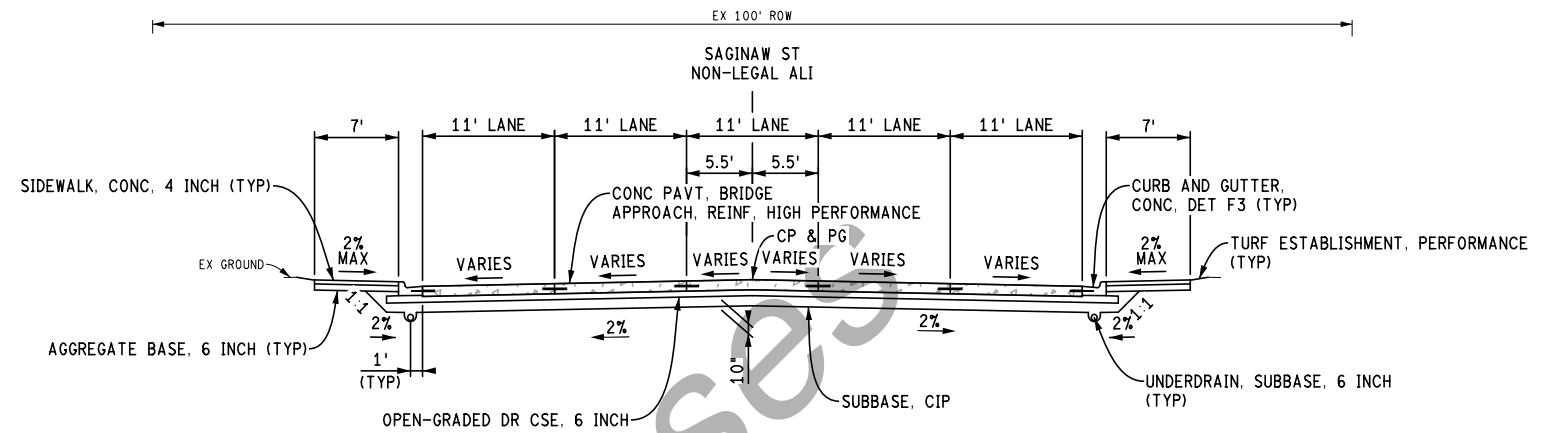
PROPOSED LOCAL ROAD SECTION
TO APPLY:
BEACH ST: STA 31+30.83 TO STA 31+50.83
BEACH ST: STA 33+56.75 TO STA 33+76.75
CHURCH ST: STA 21+41.71 TO STA 21+61.71
CHURCH ST: STA 23+41.16 TO STA 23+61.16
5TH ST: STA 12+87.39 TO STA 13+09.56
5TH ST: STA 15+30.83 TO STA 15+52.40
COURT ST: STA 98+86.62 TO STA 99+08.10
COURT ST: STA 100+81.10 TO STA 101+02.62



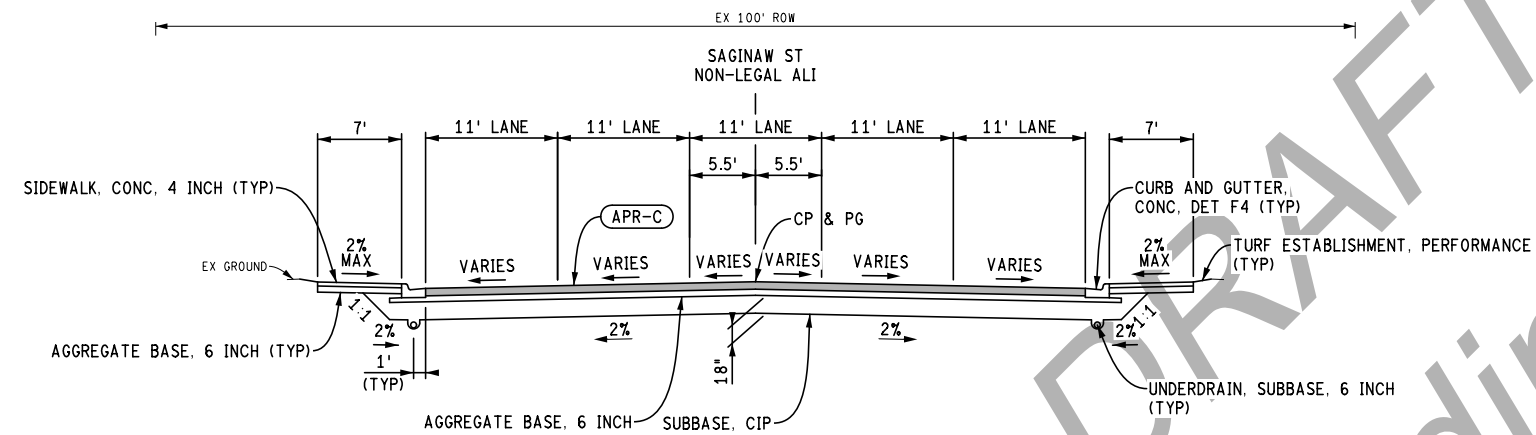
PROPOSED LOCAL ROAD SECTION
TO APPLY:
GRAND TRAVERSE ST: STA 10+25.00 TO STA 11+50.01
GRAND TRAVERSE ST: STA 13+63.83 TO STA 14+69.50



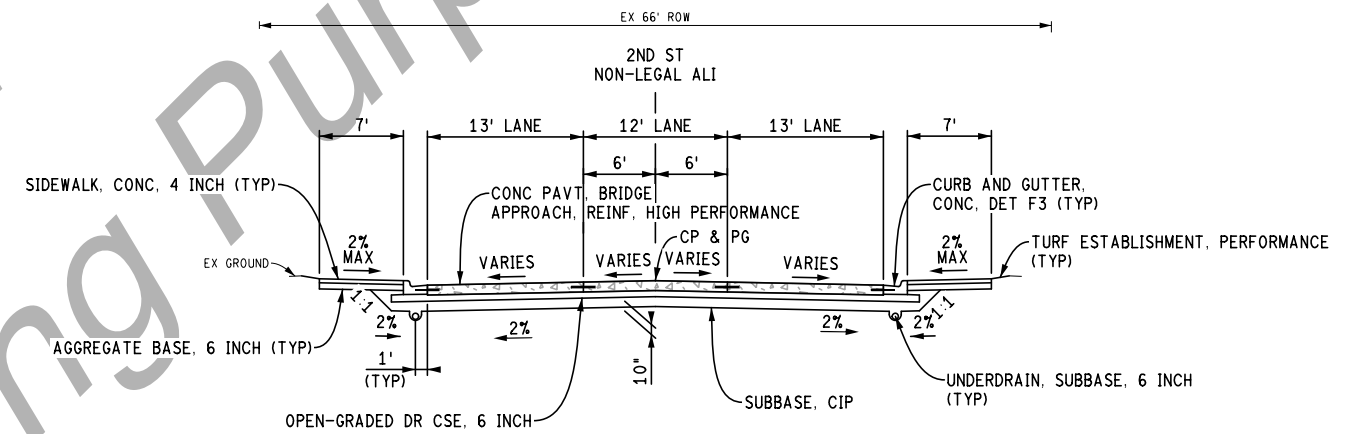
PROPOSED LOCAL ROAD SECTION
TO APPLY:
GRAND TRAVERSE ST: STA 11+50.01 TO STA 11+70.01
GRAND TRAVERSE ST: STA 13+43.83 TO STA 13+63.83



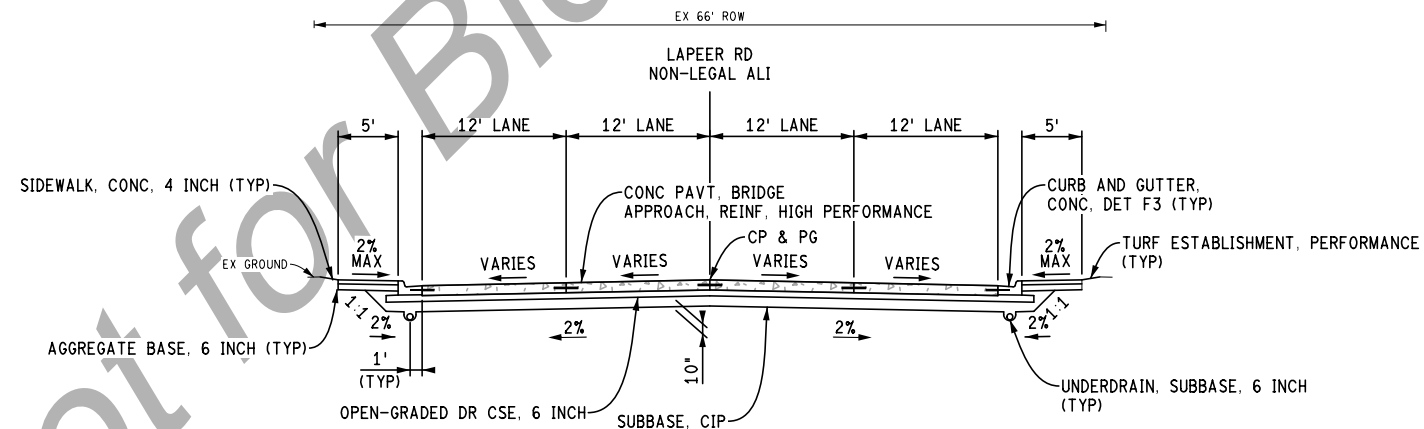
PROPOSED LOCAL ROAD SECTION
TO APPLY:
SAGINAW ST: STA 40+87.96 TO STA 41+07.96
SAGINAW ST: STA 43+80.66 TO STA 44+00.66



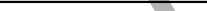
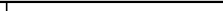
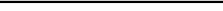
PROPOSED LOCAL ROAD SECTION
TO APPLY:
SAGINAW ST: STA 40+25.00 TO STA 40+87.96
SAGINAW ST: STA 44+00.66 TO STA 45+44.65



PROPOSED LOCAL ROAD SECTION
TO APPLY:
2ND ST: STA 8+86.06 TO STA 9+21.58
2ND ST: STA 10+85.36 TO STA 11+19.59



PROPOSED LOCAL ROAD SECTION
TO APPLY:
LAPEER RD: STA 70+71.18 TO STA 71+22.60
LAPEER RD: STA 75+80.21 TO STA 76+36.82

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)								 				DATE: 07/27/2020	CS: 25084, 25085, 25132	PROPOSED TYPICAL CROSS SECTIONS		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION					DESIGN UNIT: BLOCK	JN: 132026A	LOCAL ROADS	1-69 PR TYP 024	SECT 1	
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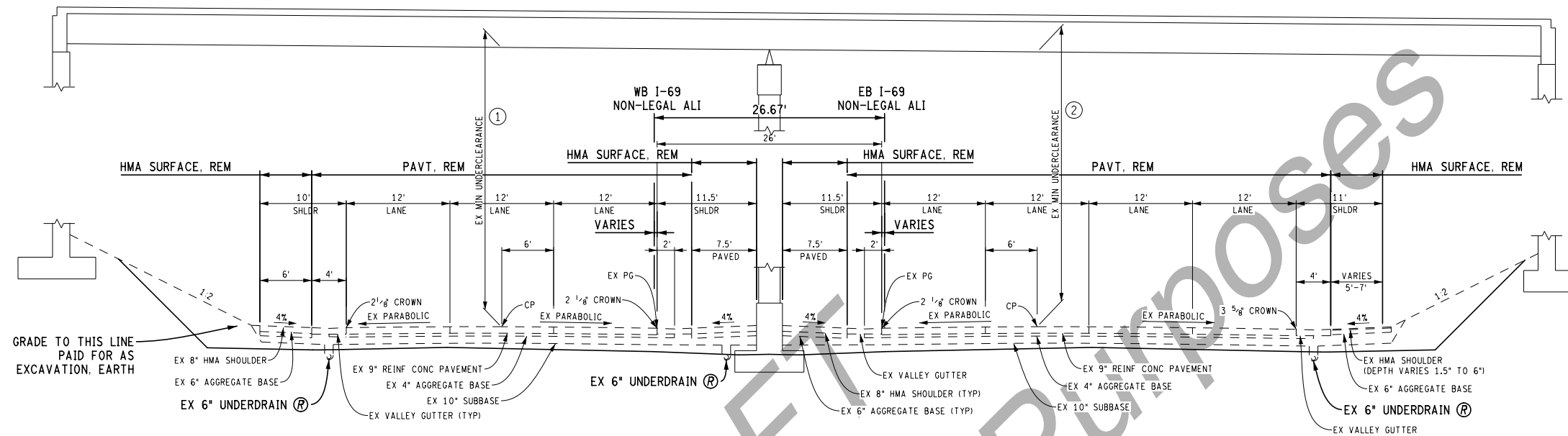
MDOT
Michigan Department of Transportation

0 VERT. (FT) 16
0 HORZ. (FT) 16

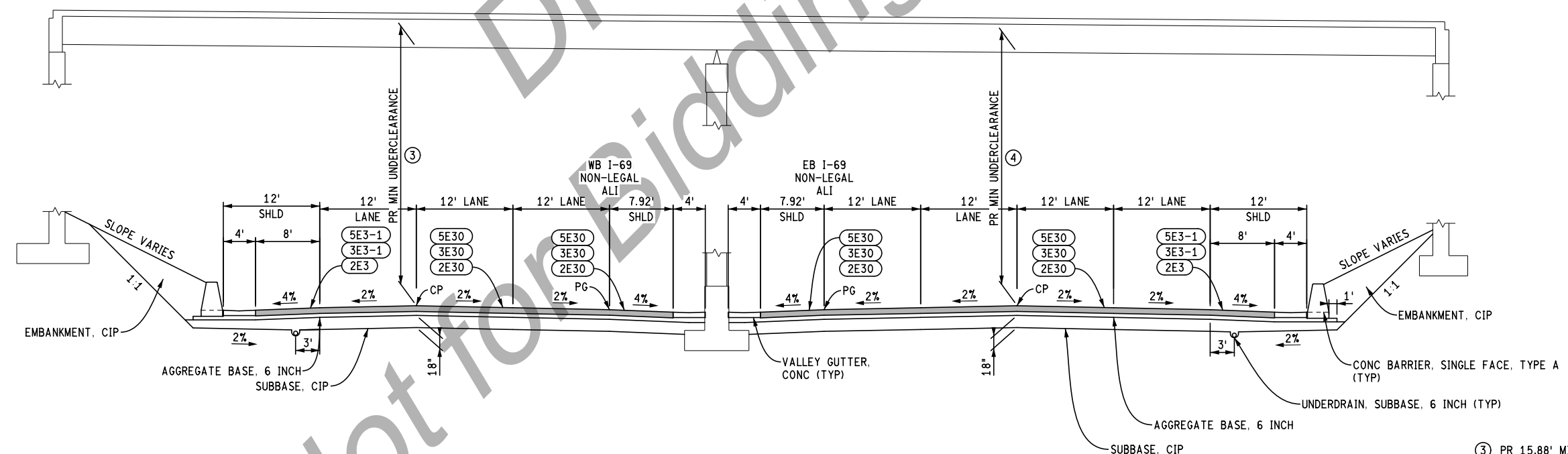
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DATE: 07/27/2020
DESIGN UNIT: BLOCK
TSC: DAVISON

CS: 25084, 25085, 25132
JN: 132026A



EXISTING SECTION AT S02 OF 25085



PROPOSED SECTION AT S02 OF 25085

* BRIDGE HEIGHT EXAGGERATED FOR CLARITY

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)															
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION								

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Michigan Department of Transportation

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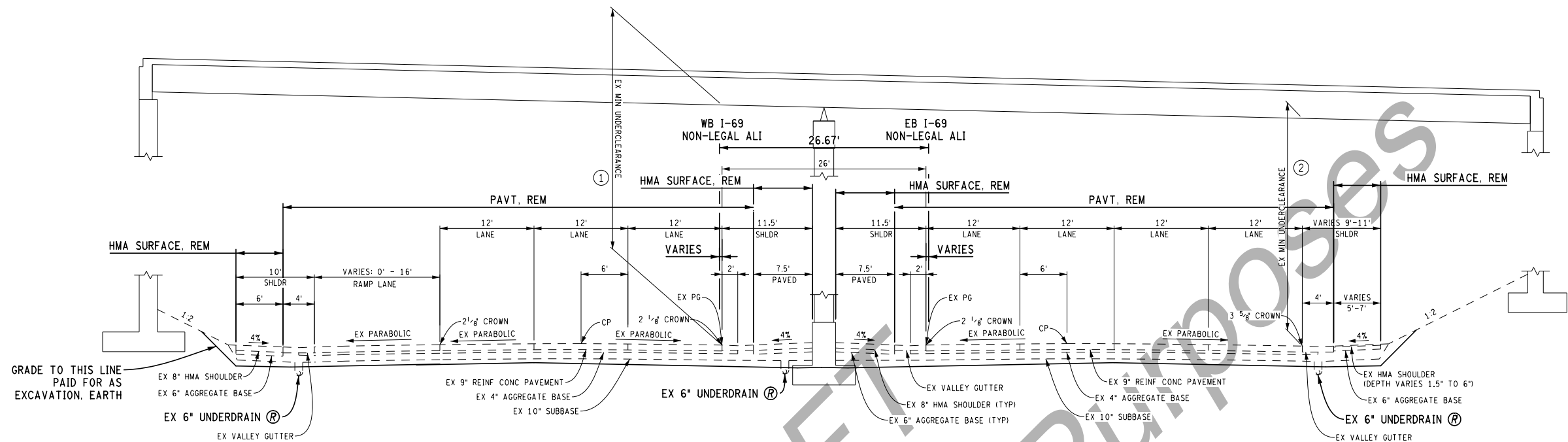
DATE: 07/27/2020
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 JN: 132026A

EXISTING & PROPOSED TYPICAL SECTION AT BRIDGE
 S02 OF 25085
 HMA ALTERNATIVE

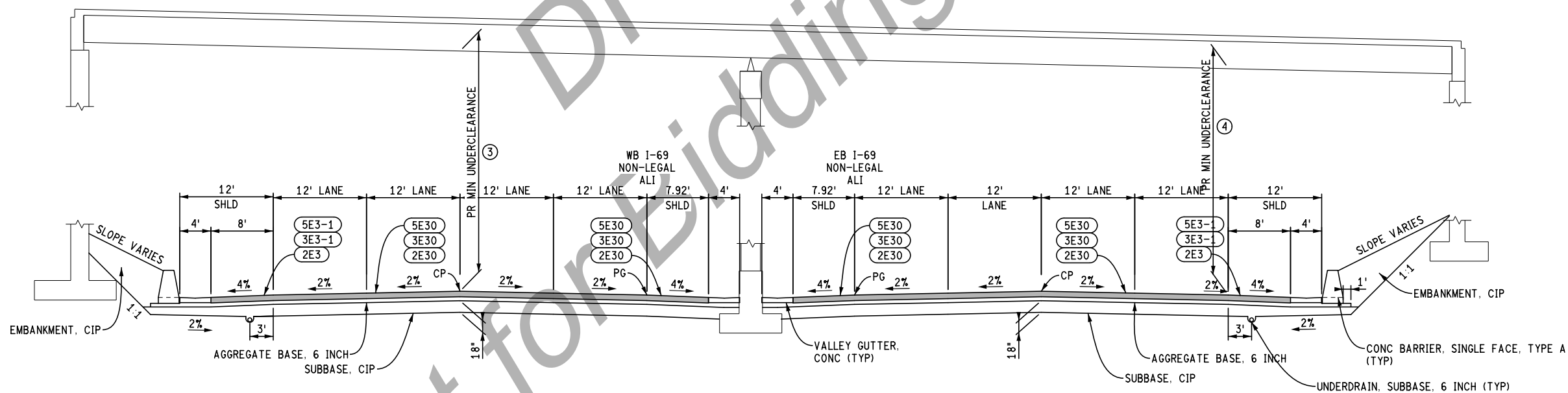
1-69
BR TYP
025

SECT 1
69



EXISTING SECTION AT S03 OF 25085

- ① EX 16.67' MIN UNDERCLEARANCE (S03 OF 25085)
 ② EX 14.97' MIN UNDERCLEARANCE (S03 OF 25085)



PROPOSED SECTION AT S03 OF 25085

- ③ PR 17.17' MIN UNDERCLEARANCE (S03 OF 25085)
 ④ PR 15.45' MIN UNDERCLEARANCE (S03 OF 25085)

* BRIDGE HEIGHT EXAGGERATED FOR CLARITY

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)							
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION



0 16
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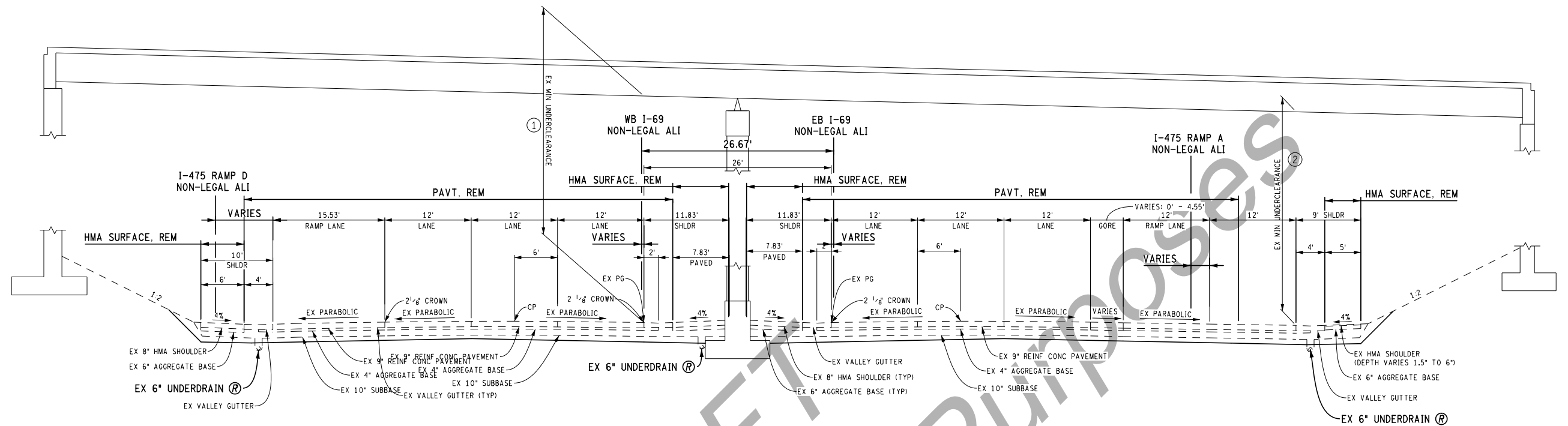
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DATE: 07/27/2020
 DESIGN UNIT: BLOCK
 TSC: DAVISON

CS: 25084, 25085, 25132
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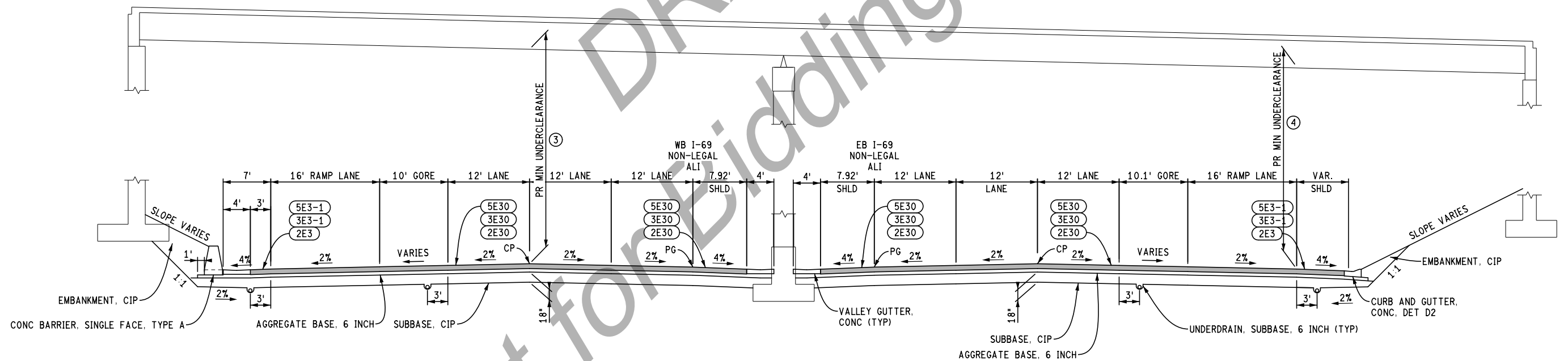
EXISTING & PROPOSED TYPICAL SECTION AT BRIDGE
 S03 OF 25085
 HMA ALTERNATIVE

DRAWING SHEET
 1-69 BR TYP 026
 70



EXISTING SECTION AT S04 OF 25085

- ① EX 16.63' MIN UNDERCLEARANCE (S04 OF 25085)
 ② EX 14.53' MIN UNDERCLEARANCE (S04 OF 25085)



PROPOSED SECTION AT S04 OF 25085

- ③ PR 17.24' MIN UNDERCLEARANCE (S04 OF 25085)
 ④ PR 15.19' MIN UNDERCLEARANCE (S04 OF 25085)

* BRIDGE HEIGHT EXAGGERATED FOR CLARITY

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)										EXISTING & PROPOSED TYPICAL SECTION AT BRIDGE		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION			S04 OF 25085		I-69 BR TYP 027	71
										HMA ALTERNATIVE			

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FILE: 128093_Bridge Sections_HMA.dgn

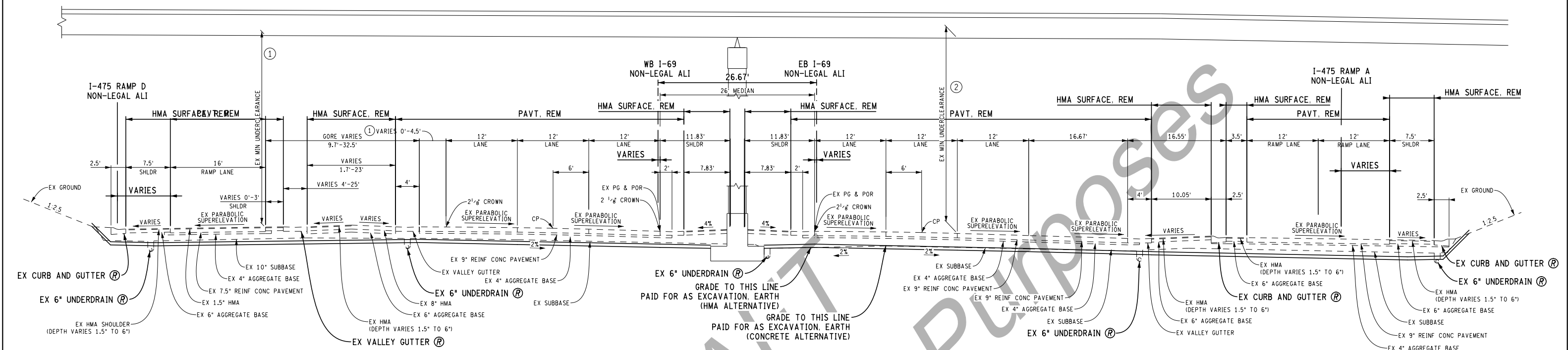
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DESIGN UNIT: BLOCK

TSC: DAVISON

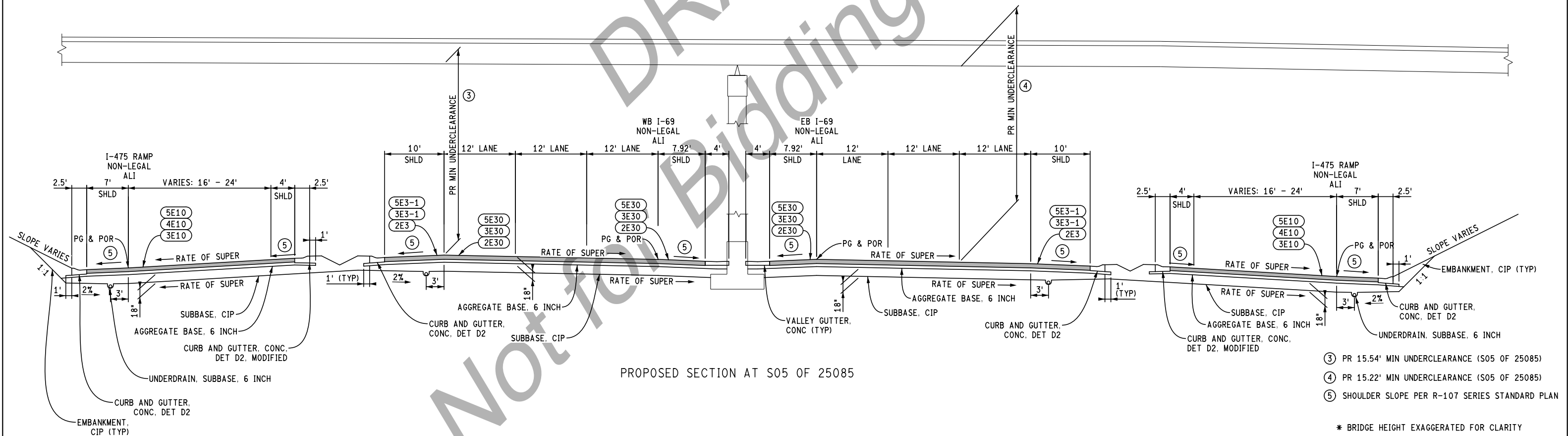
CS: 25084, 25085, 25132

JN: 132026A



EXISTING SECTION AT S05 OF 25085

- ① EX 14.82' MIN UNDERCLEARANCE (S05 OF 25085)
 ② EX 15.02' MIN UNDERCLEARANCE (S05 OF 25085)

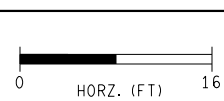


PROPOSED SECTION AT S05 OF 25085

- ③ PR 15.54' MIN UNDERCLEARANCE (S05 OF 25085)
 ④ PR 15.22' MIN UNDERCLEARANCE (S05 OF 25085)
 ⑤ SHOULDER SLOPE PER R-107 SERIES STANDARD PLAN

* BRIDGE HEIGHT EXAGGERATED FOR CLARITY

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)					
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE

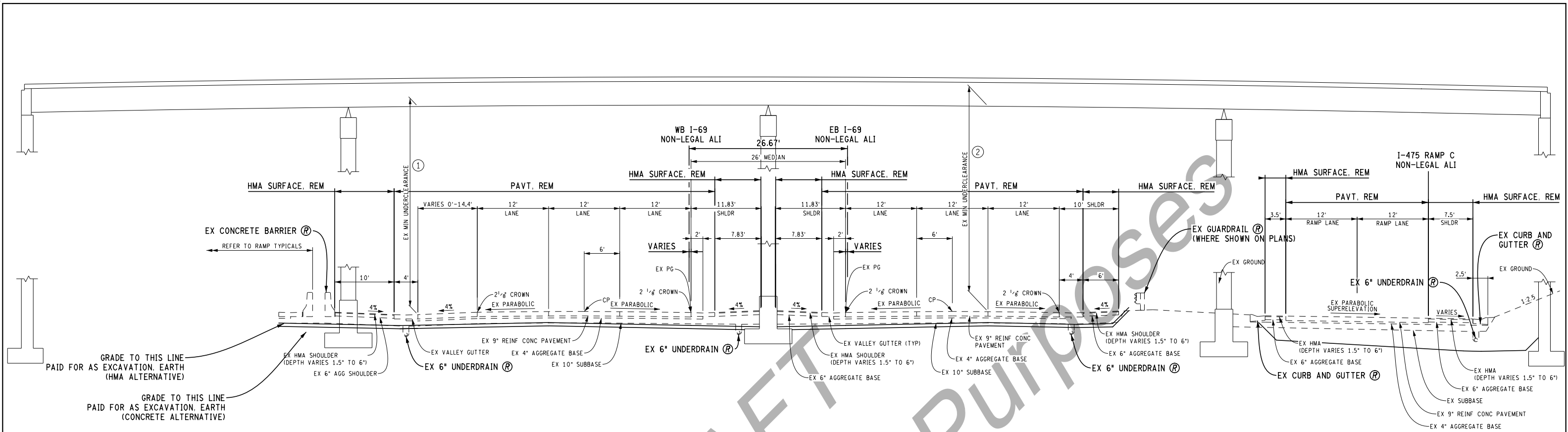


FILE: 128093_Bridge Sections_HMA.dgn

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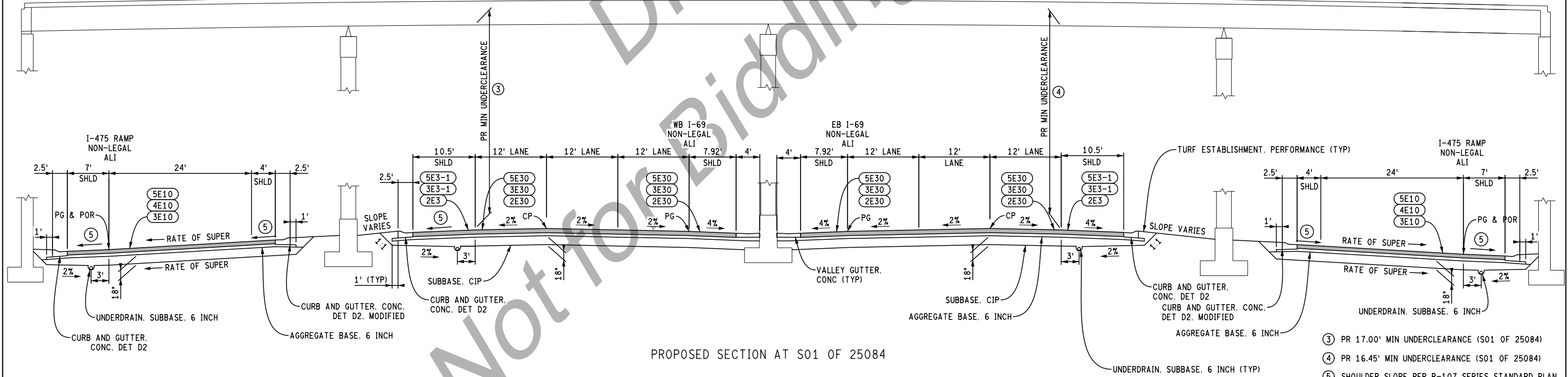
CS: 25084, 25085, 25132
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EXISTING & PROPOSED TYPICAL SECTION AT BRIDGE		DRAWING	SHEET
S05 OF 25085		I-69 BR TYP 028	72
HMA ALTERNATIVE			



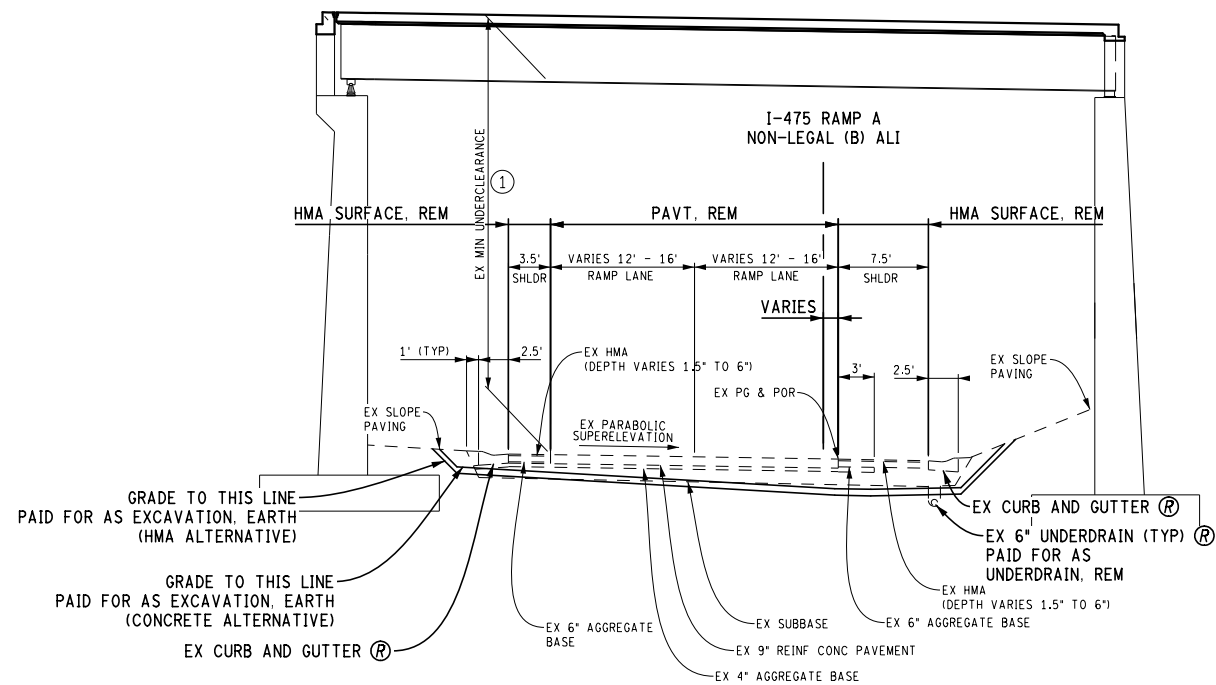
EXISTING SECTION AT S01 OF 25084

- ① EX 16.41' MIN UNDERCLEARANCE (S01 OF 25084)
- ② EX 15.74' MIN UNDERCLEARANCE (S01 OF 25084)

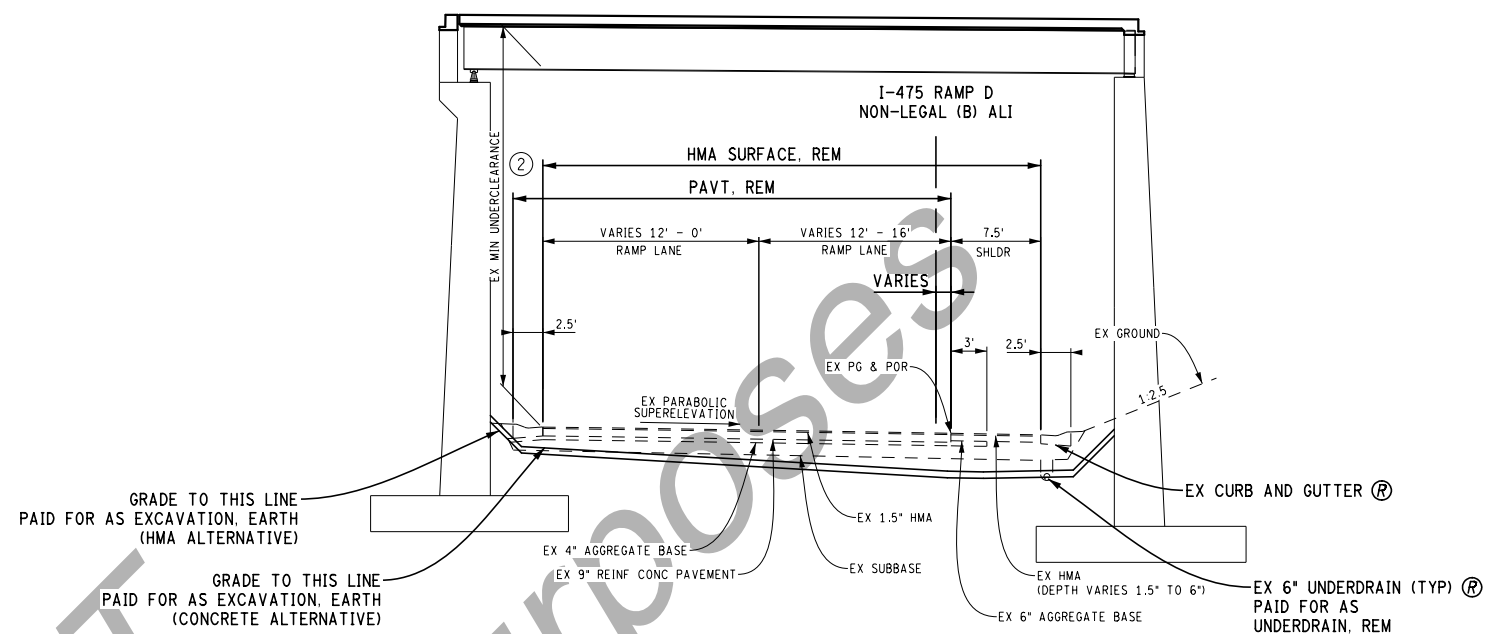


PROPOSED SECTION AT S01 OF 25084

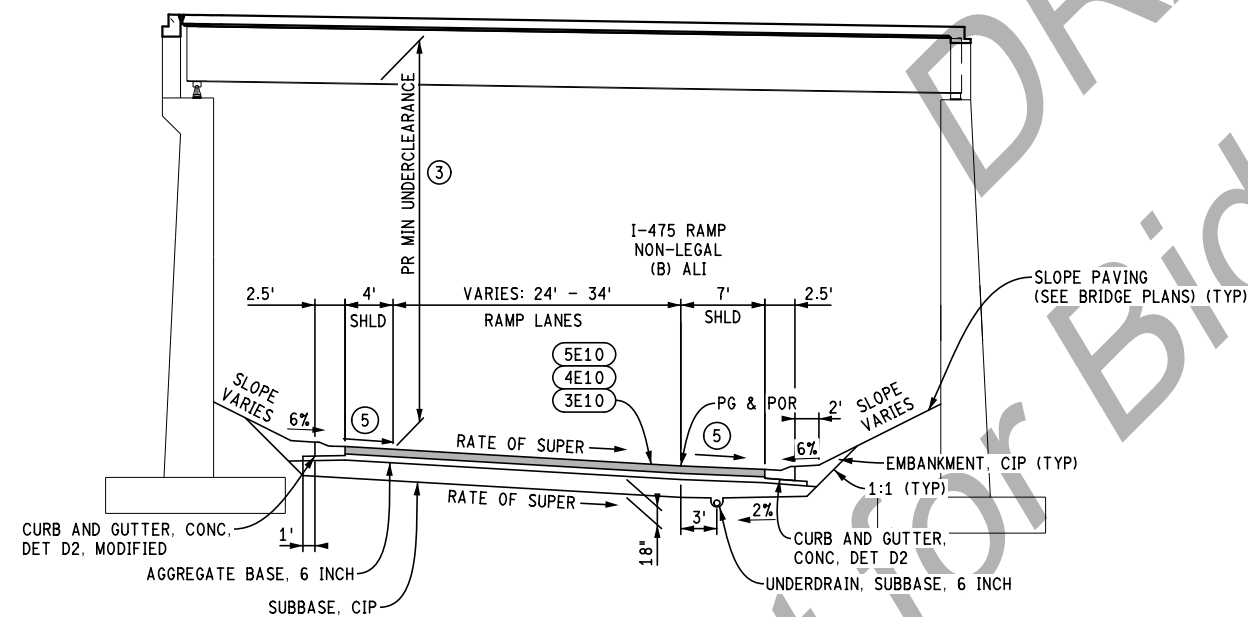
- ③ PR 17.00' MIN UNDERCLEARANCE (S01 OF 25084)
 - ④ PR 16.45' MIN UNDERCLEARANCE (S01 OF 25084)
 - ⑤ SHOULDER SLOPE PER R-107 SERIES STANDARD PLAN
- * BRIDGE HEIGHT EXAGGERATED FOR CLARITY



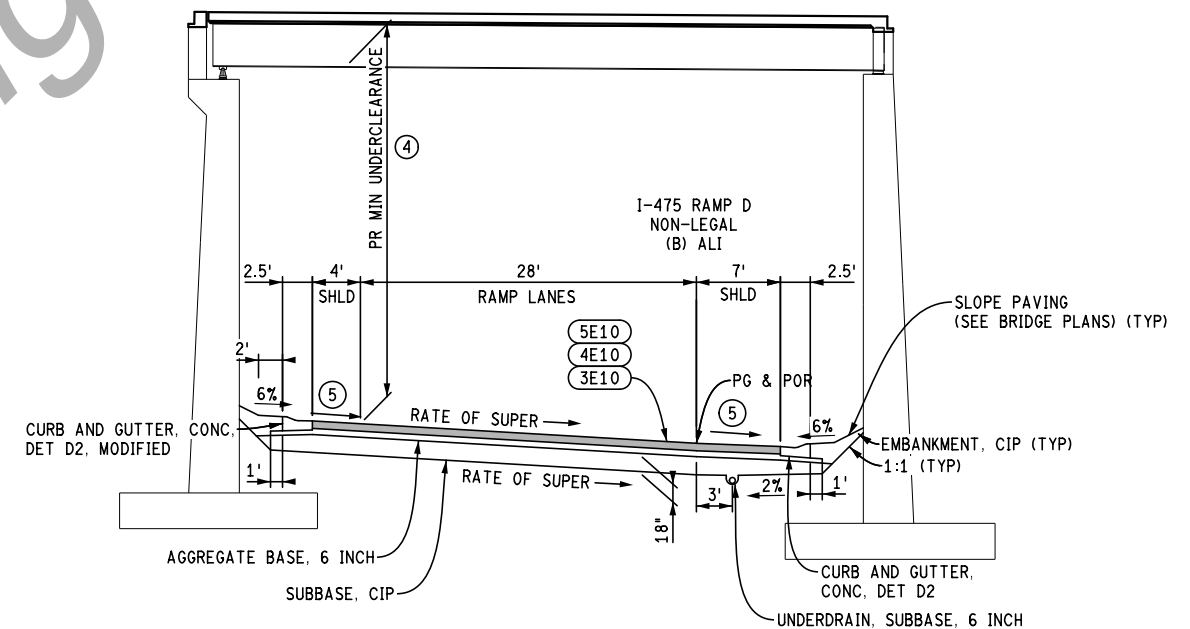
EXISTING SECTION AT S11, S13 AND S14 OF 25132



- ① EX 14.71' MIN UNDERCLEARANCE (S11 OF 25132)
EX 14.33' MIN UNDERCLEARANCE (S13 OF 25132)
EX 14.12' MIN UNDERCLEARANCE (S14 OF 25132)
- ② EX 14.71' MIN UNDERCLEARANCE (S12 OF 25132)



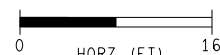
PROPOSED SECTION AT S11, S13 AND S14 OF 25132



PROPOSED SECTION AT S12 OF 25132

- ③ PR 14.75' MIN UNDERCLEARANCE (S11 OF 25132)
PR 14.50' MIN UNDERCLEARANCE (S13 OF 25132)
PR 14.17' MIN UNDERCLEARANCE (S14 OF 25132)
- ④ PR 14.92' MIN UNDERCLEARANCE (S12 OF 25132)
- ⑤ SHOULDER SLOPE PER R-107 SERIES STANDARD PLAN
- * BRIDGE HEIGHT EXAGGERATED FOR CLARITY

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)					
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE



FILE: 128093_Bridge Sections_HMA.dgn

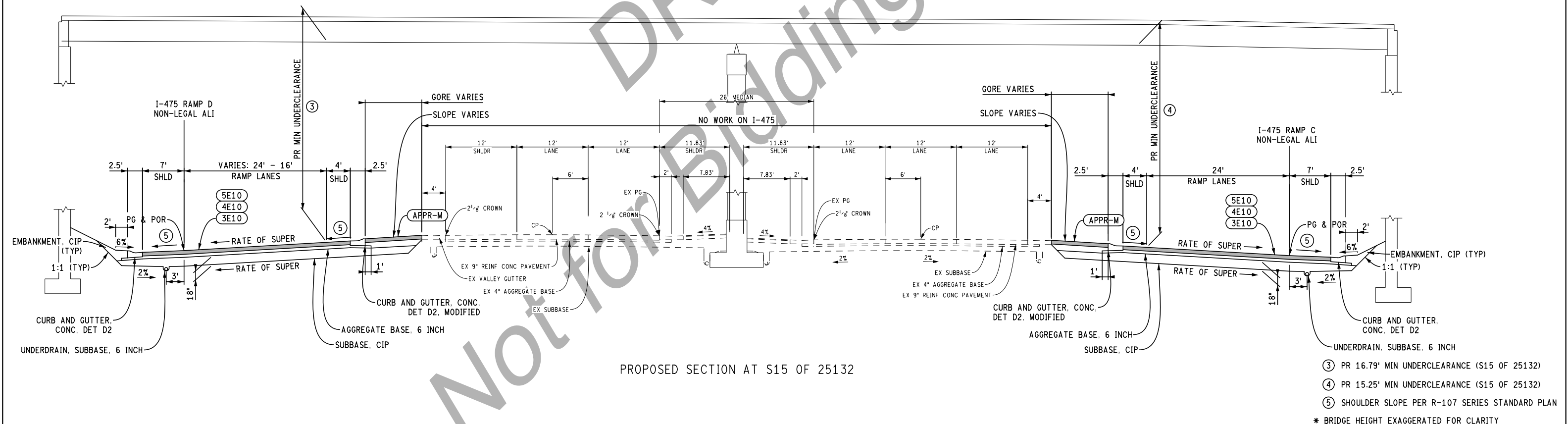
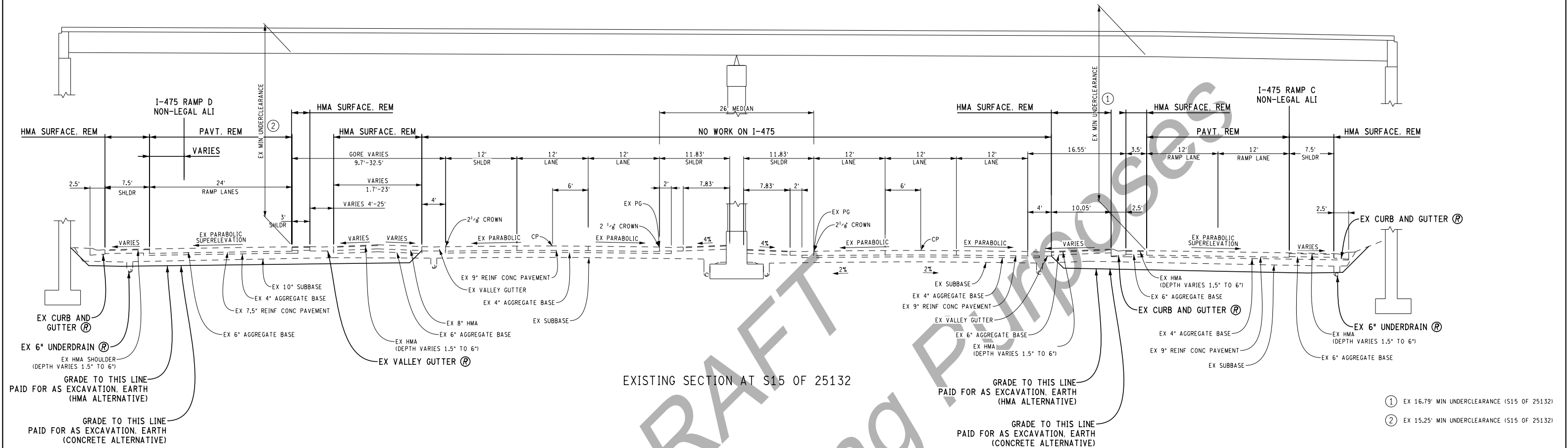
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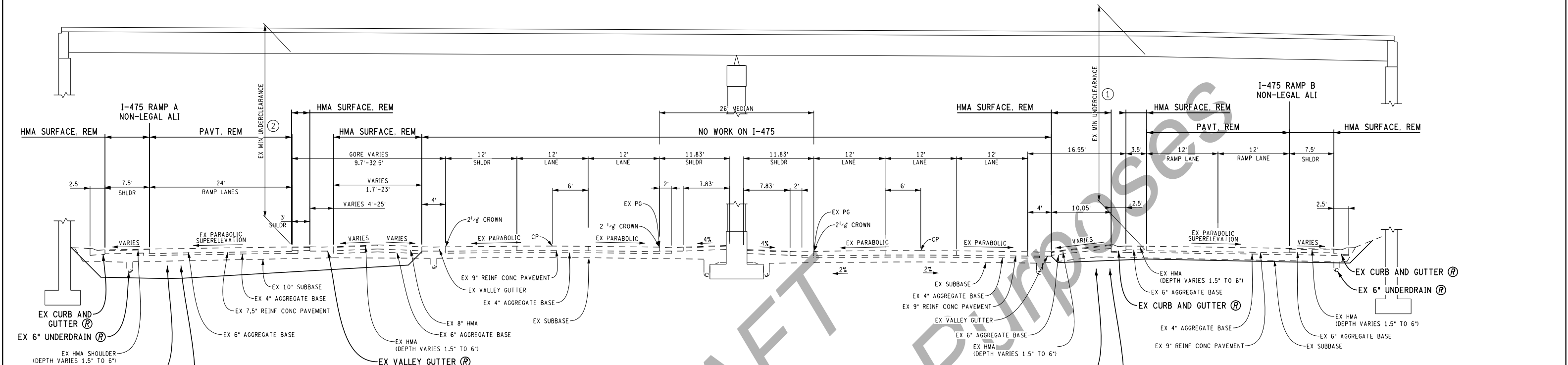
EXISTING & PROPOSED TYPICAL SECTION AT BRIDGE
S11, S12, S13 AND S14 OF 25132
HMA ALTERNATIVE

DRAWING
1-69
BR TYP
030

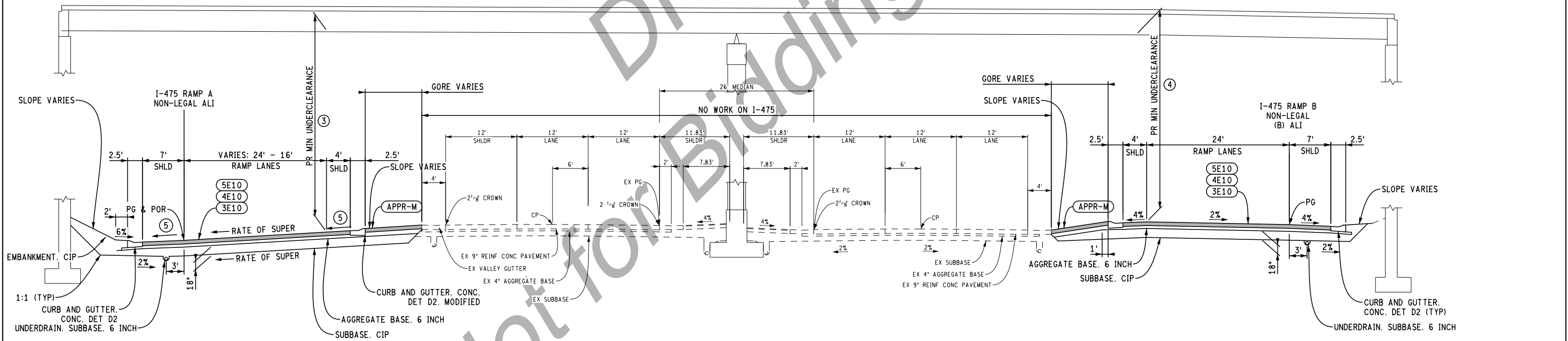
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74



FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)						DATE: 07/27/2020		CS: 25084, 25085, 25132		EXISTING & PROPOSED TYPICAL SECTION AT BRIDGE		DRAWING	
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION	DESIGN UNIT: BLOCK	JN: 132026A	S15 OF 25132		I-69	
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												75	



EXISTING SECTION AT S09 OF 25132

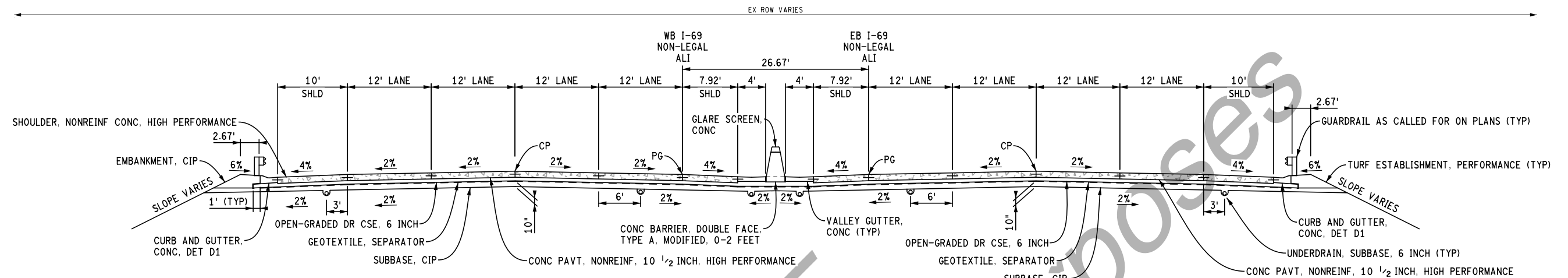


PROPOSED SECTION AT S09 OF 25132

- ① EX 15.79' MIN UNDERCLEARANCE (S09 OF 25132)
- ② EX 14.75' MIN UNDERCLEARANCE (S09 OF 25132)

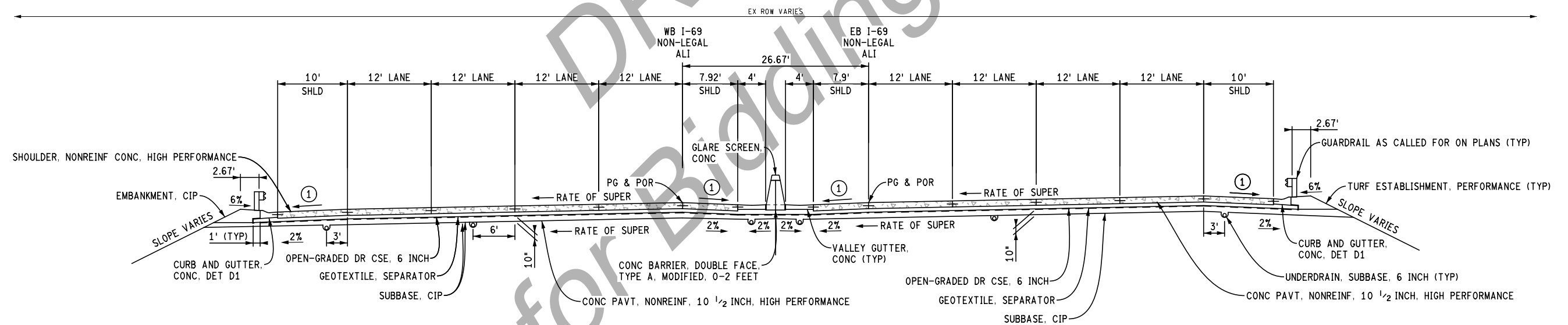
- ③ PR 15.75' MIN UNDERCLEARANCE (S09 OF 25132)
- ④ PR 15.79' MIN UNDERCLEARANCE (S09 OF 25132)
- ⑤ SHOULDER SLOPE PER R-107 SERIES STANDARD PLAN

* BRIDGE HEIGHT EXAGGERATED FOR CLARITY



I-69 PROPOSED NORMAL SECTION
TO APPLY:
WB I-69 STA STA 419+76.47 (POB) TO STA 423+85.53

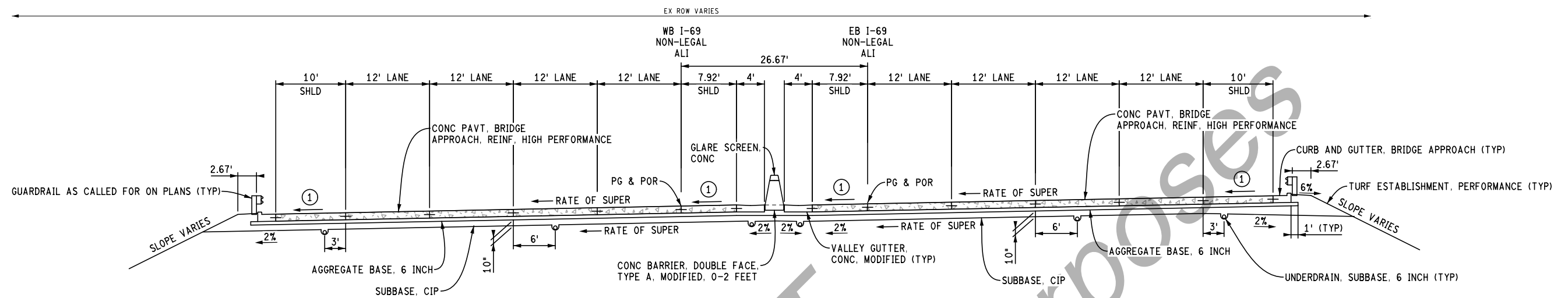
I-69 PROPOSED NORMAL SECTION
TO APPLY:
EB I-69 STA 419+68.33 (POB) TO STA 423+63.16



I-69 PROPOSED SUPER SECTION
TO APPLY:
WB I-69 STA STA 423+85.53 TO STA 426+38.31

I-69 PROPOSED SUPER SECTION
TO APPLY:
EB I-69 STA 423+63.16 TO STA 425+99.12

① SHOULDER SLOPE PER R-107 SERIES STANDARD PLAN

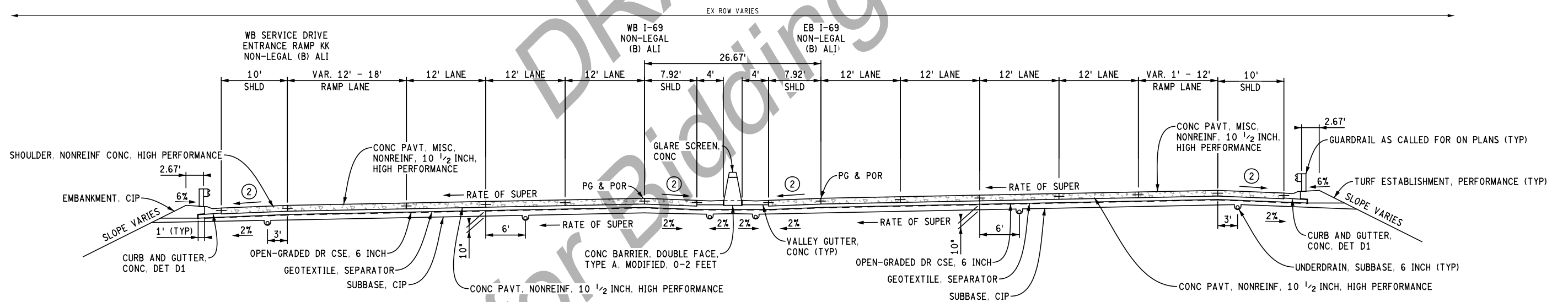


I-69 PROPOSED SUPER BRIDGE APPROACH SECTION

TO APPLY:
WB I-69 STA STA 426+38.31 TO STA 426+58.17 (R01 OF 25085)
WB I-69 STA STA 431+41.29 (R01 OF 25085) TO STA 431+67.28

I-69 PROPOSED SUPER BRIDGE APPROACH SECTION

TO APPLY:
EB I-69 STA 425+99.12 TO STA 426+38.80 (R01 OF 25085)
EB I-69 STA 431+35.17 (R01 OF 25085) TO STA 431+55.45



I-69 PROPOSED SUPER SECTION

TO APPLY:
WB I-69 STA STA 431+67.28 TO STA 436+93.11

I-69 PROPOSED SUPER SECTION

TO APPLY:
EB I-69 STA 431+55.45 TO STA 436+74.92

- ① TRANSITION SHOULDER SLOPE TO MATCH BRIDGE
- ② SHOULDER SLOPE PER R-107 SERIES STANDARD PLAN

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)						DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	

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DATE: 07/27/2020

DESIGN UNIT: BLOCK

TSC: DAVISON

CS: 25084, 25085, 25132

JN: 132026A

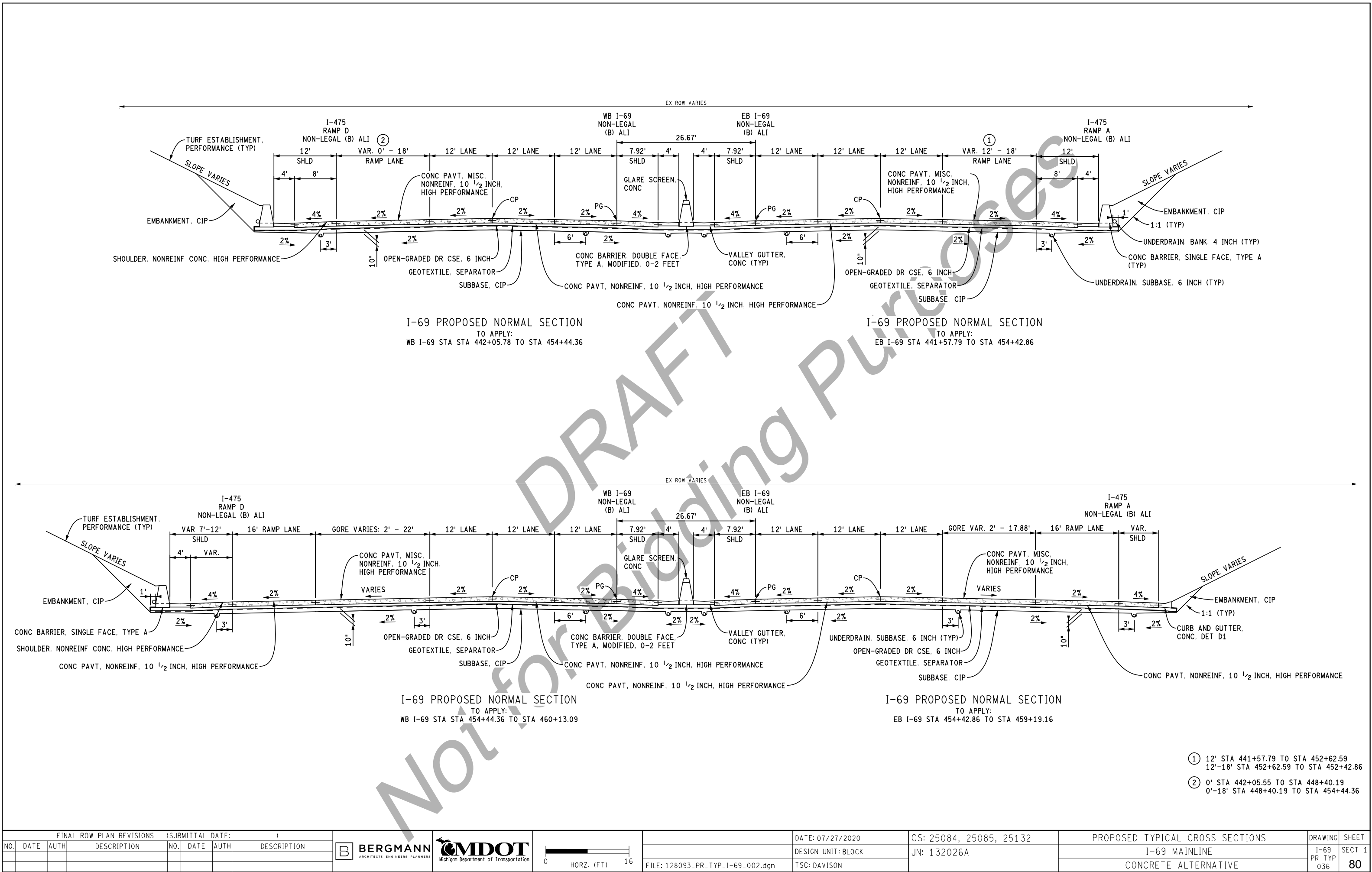
PROPOSED TYPICAL CROSS SECTIONS

I-69 MAINLINE

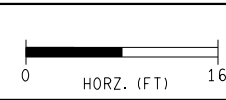
CONCRETE ALTERNATIVE

I-69 PR TYP 034

78



FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)					
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE

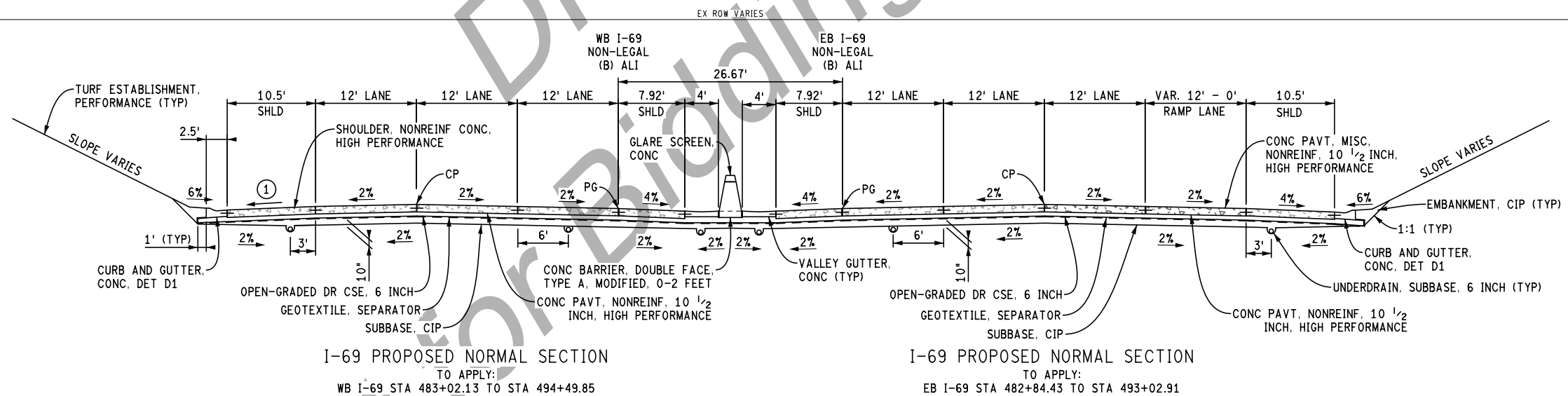
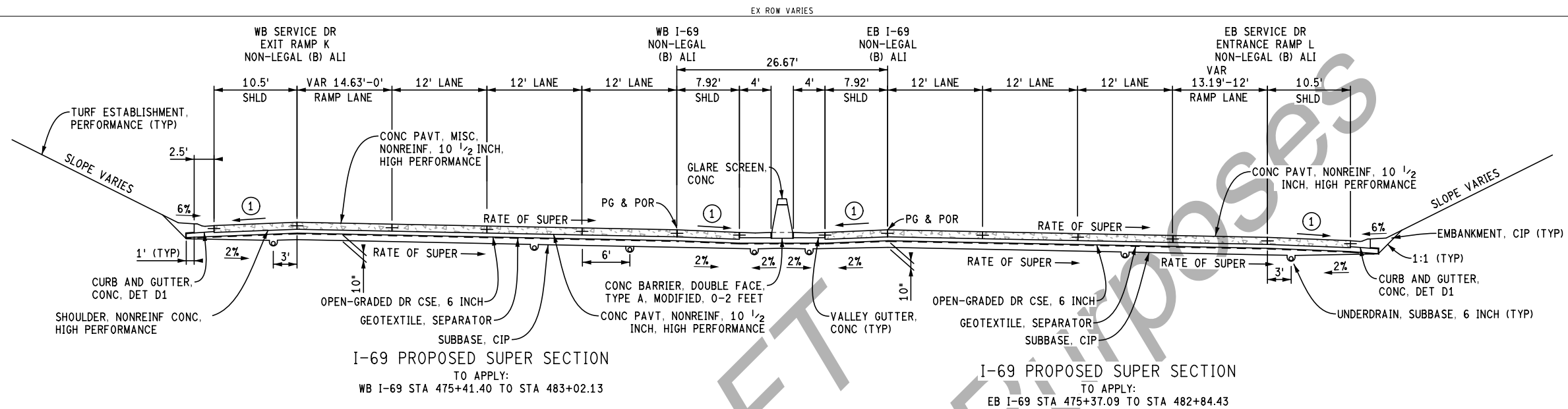


FILE: 128093_PR_TYP_I-69_002.dgn

DATE: 07/27/2020
DESIGN UNIT: BLOCK
TSC: DAVISON

CS: 25084, 25085, 25132
JN: 132026A

PROPOSED TYPICAL CROSS SECTIONS		DRAWING	SHEET
I-69 MAINLINE		I-69 PR TYP 036	SECT 1
CONCRETE ALTERNATIVE			80



① SHOULDER SLOPE PER R-107 SERIES STANDARD PLAN

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)								PROPOSED TYPICAL CROSS SECTIONS		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION	I-69 MAINLINE		I-69	SECT 1
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										039	

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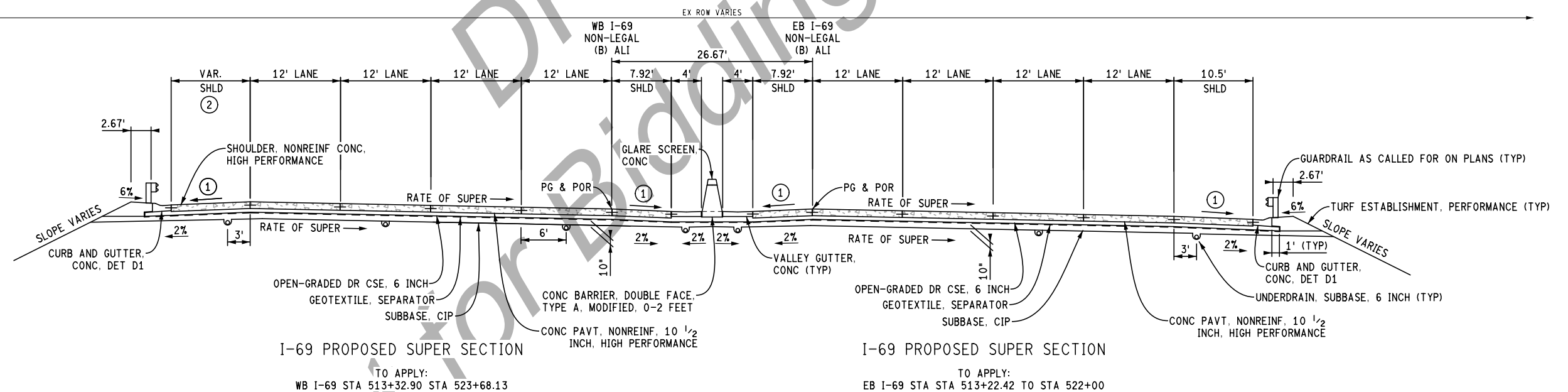
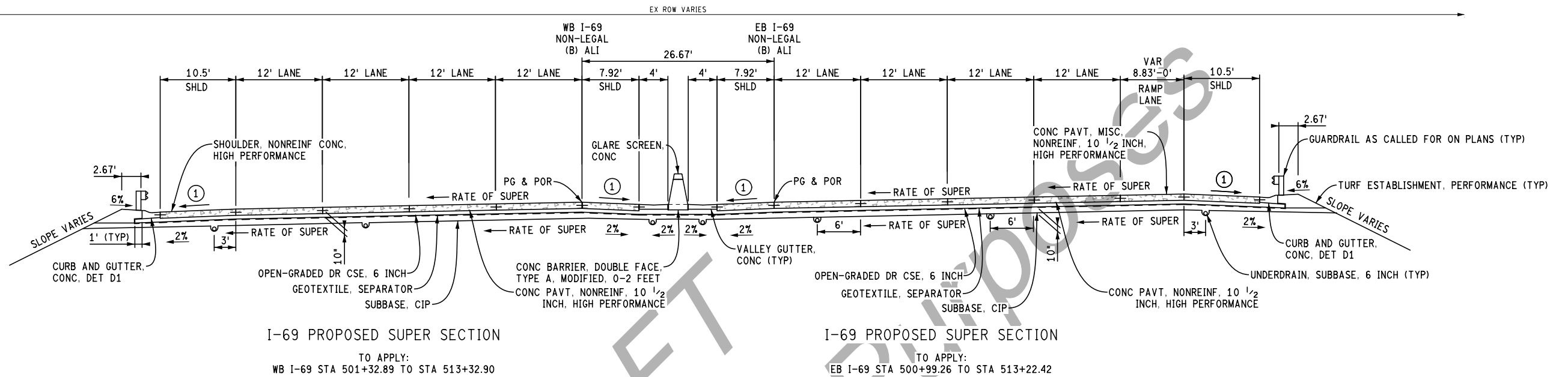
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FILE: 128093_PR_TYP_I-69_002.dgn

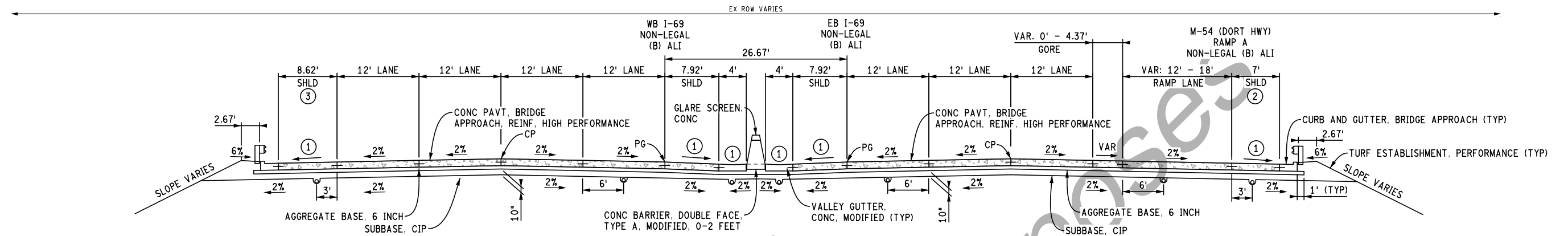
DATE: 07/27/2020
DESIGN UNIT: BLOCK
TSC: DAVISON

CS: 25084, 25085, 25132
JN: 132026A



- ① SHOULDER SLOPE PER R-107 SERIES STANDARD PLAN
- ② SHOULDER WIDTH VARIES: 10.5' - 8.62'

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)								 BERGMANN ARCHITECTS ENGINEERS PLANNERS			DATE: 07/27/2020	CS: 25084, 25085, 25132	PROPOSED TYPICAL CROSS SECTIONS	DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION				DESIGN UNIT: BLOCK	JN: 132026A	I-69 MAINLINE	I-69 PR TYP 041	85
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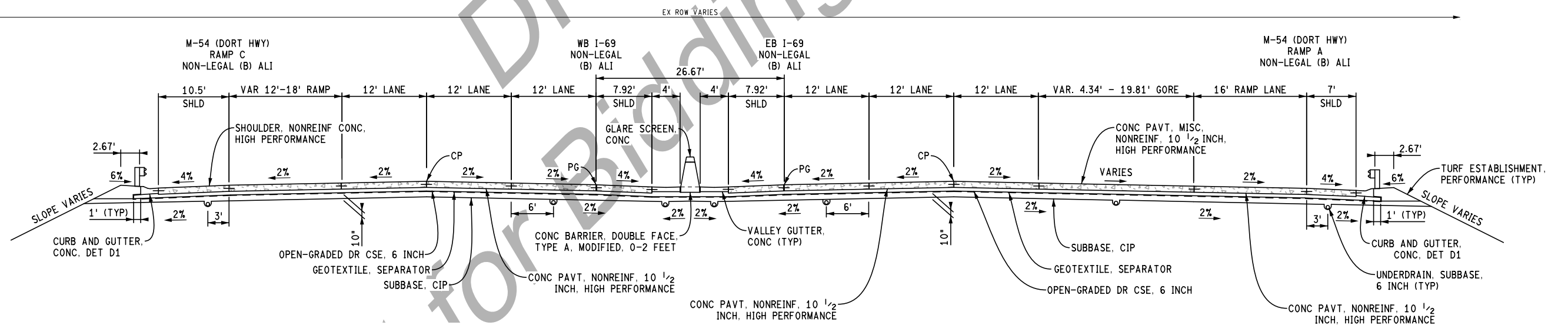


I-69 PROPOSED NORMAL BRIDGE APPROACH SECTION

TO APPLY:
WB I-69 STA 523+68.13 TO STA 523+91.04
GAP OUT R01 OF 82084
WB I-69 STA 527+52.36 TO STA 528+62.42

I-69 PROPOSED NORMAL BRIDGE APPROACH SECTION

TO APPLY:
EB I-69 STA 522+00.00 TO STA 523+21.97
GAP OUT R01 OF 82084
EB I-69 STA 526+83.44 TO STA 527+06.42



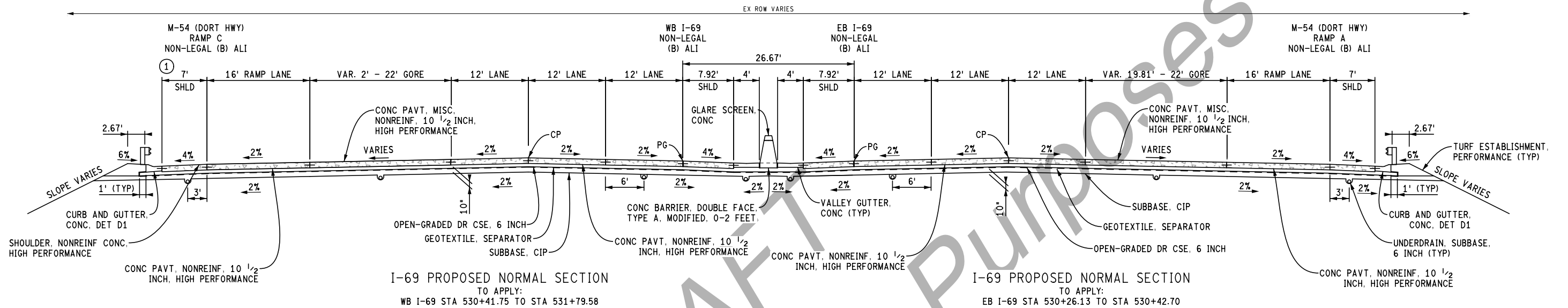
I-69 PROPOSED NORMAL SECTION

TO APPLY:
WB I-69 STA 528+62.42 TO STA 530+41.75

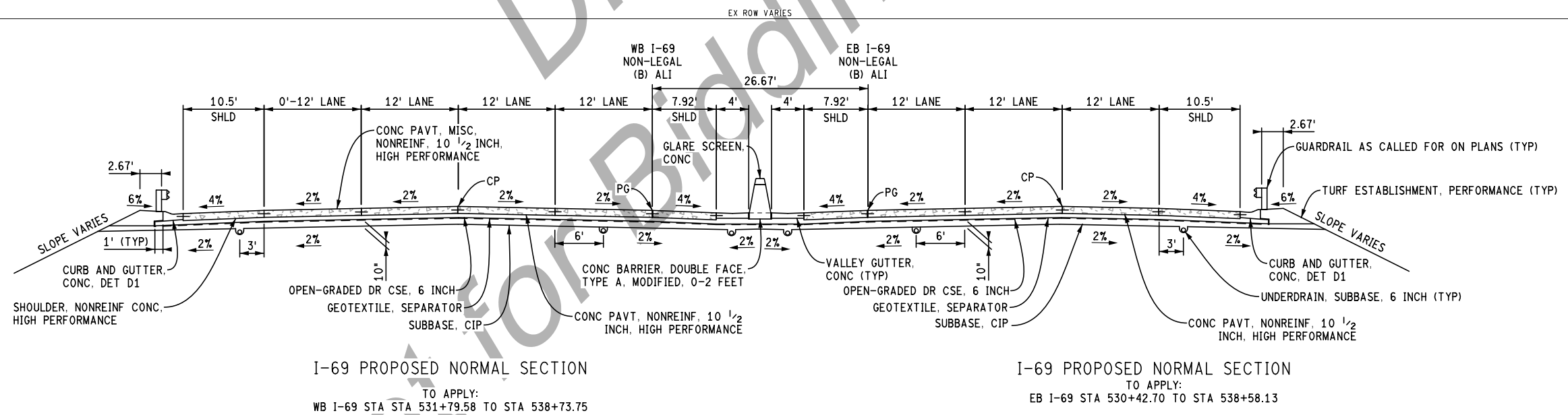
I-69 PROPOSED NORMAL SECTION

TO APPLY:
EB I-69 STA 527+06.42 TO STA 530+26.13

- ① TRANSITION SHOULDER SLOPE TO MATCH BRIDGE
- ② SHOULDER WIDTH VARIES: 10.5' - 7'
- ③ SHOULDER WIDTH VARIES: 8.62' - 3.75'



I-69 PROPOSED NORMAL SECTION
TO APPLY:
EB I-69 STA 530+26.13 TO STA 530+42.70



I-69 PROPOSED NORMAL SECTION
TO APPLY:
EB I-69 STA 530+42.70 TO STA 538+58.13

① SHOULDER WIDTH VARIES: 10.5' - 7'

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)								PROPOSED TYPICAL CROSS SECTIONS		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION	I-69 MAINLINE		I-69	SECT 1
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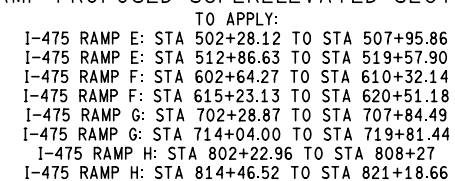
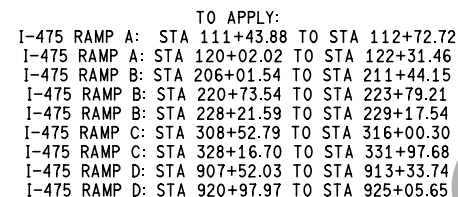
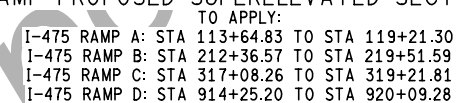
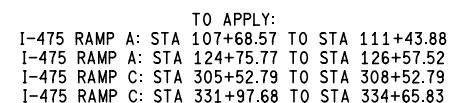
MDOT
Michigan Department of Transportation

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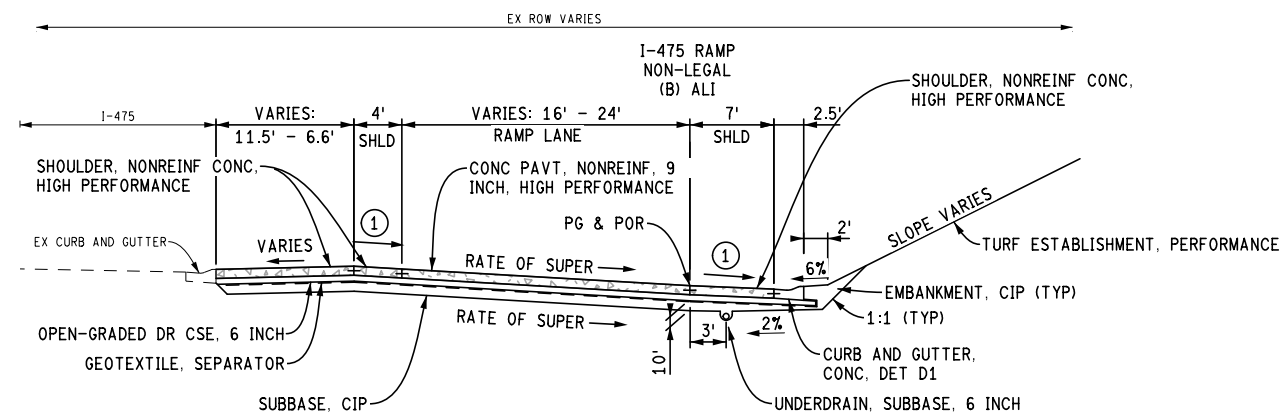
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DATE: 07/27/2020
DESIGN UNIT: BLOCK
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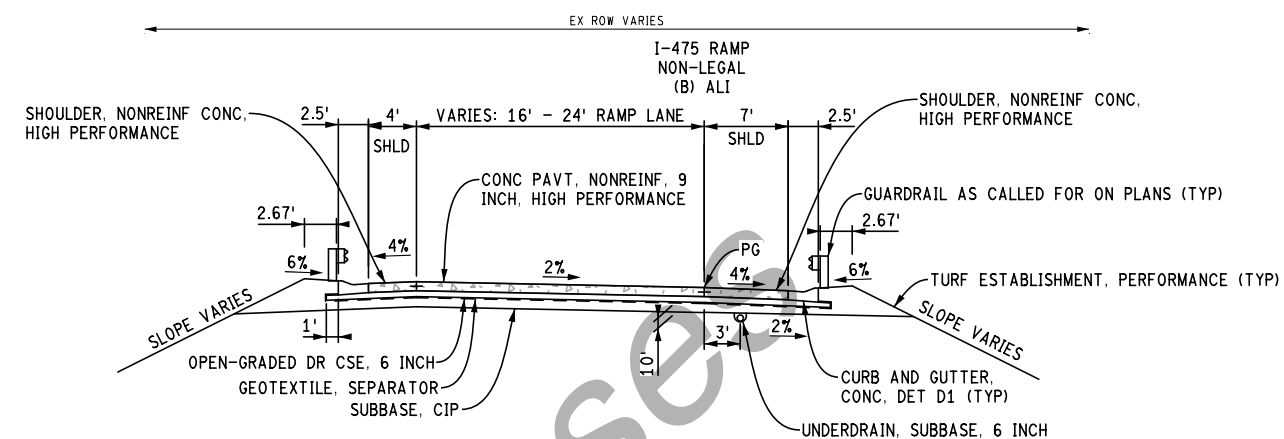
CS: 25084, 25085, 25132
JN: 132026A



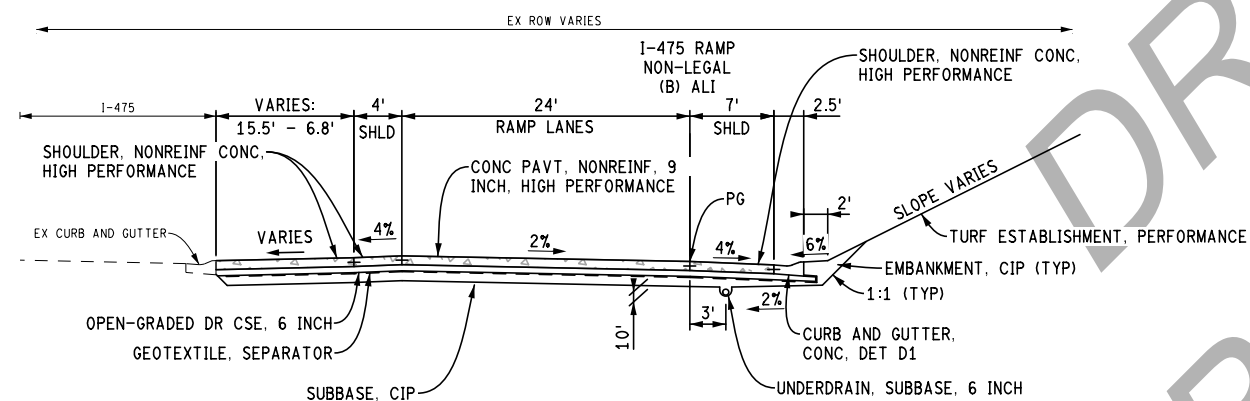
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	I-69 PR TYP 045	SECT 1 89



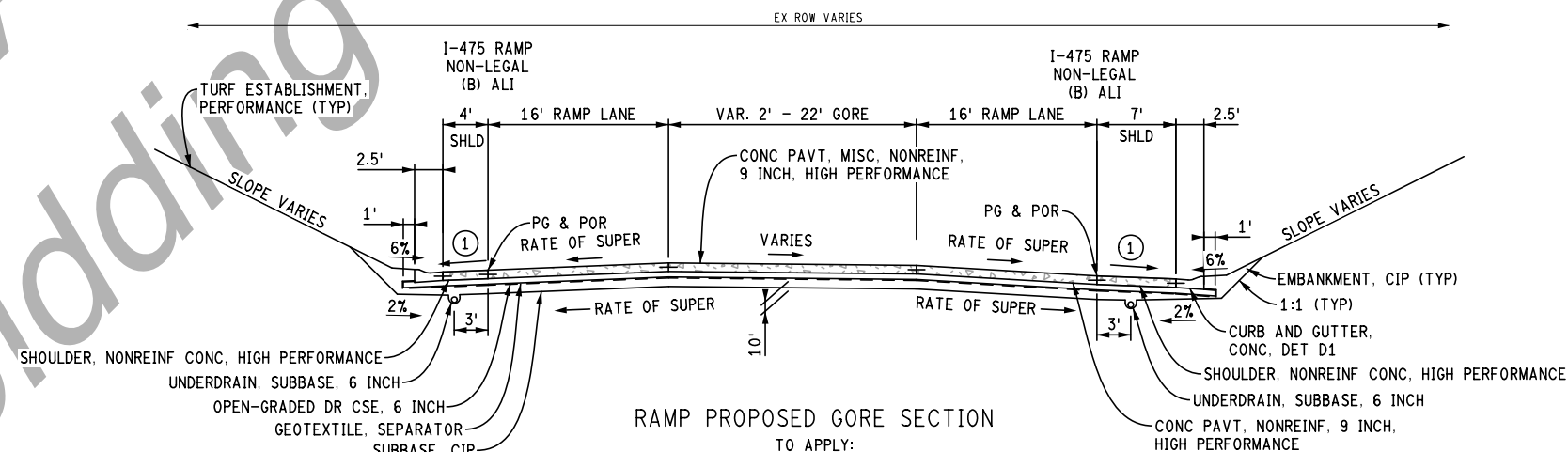
RAMP PROPOSED GORE SECTION
 TO APPLY:
 I-475 RAMP A: STA 126+57.52 TO STA 127+26.11
 I-475 RAMP D: STA 906+41.88 TO STA 907+52.03



RAMP PROPOSED NORMAL SECTION
 TO APPLY:
 I-475 RAMP A: STA 122+31.46 TO STA 124+75.77
 I-475 RAMP B: STA 205+52.14 TO STA 206+01.54
 I-475 RAMP B: STA 223+79.21 TO STA 228+21.59
 I-475 RAMP C: STA 319+21.81 TO STA 327+27.12



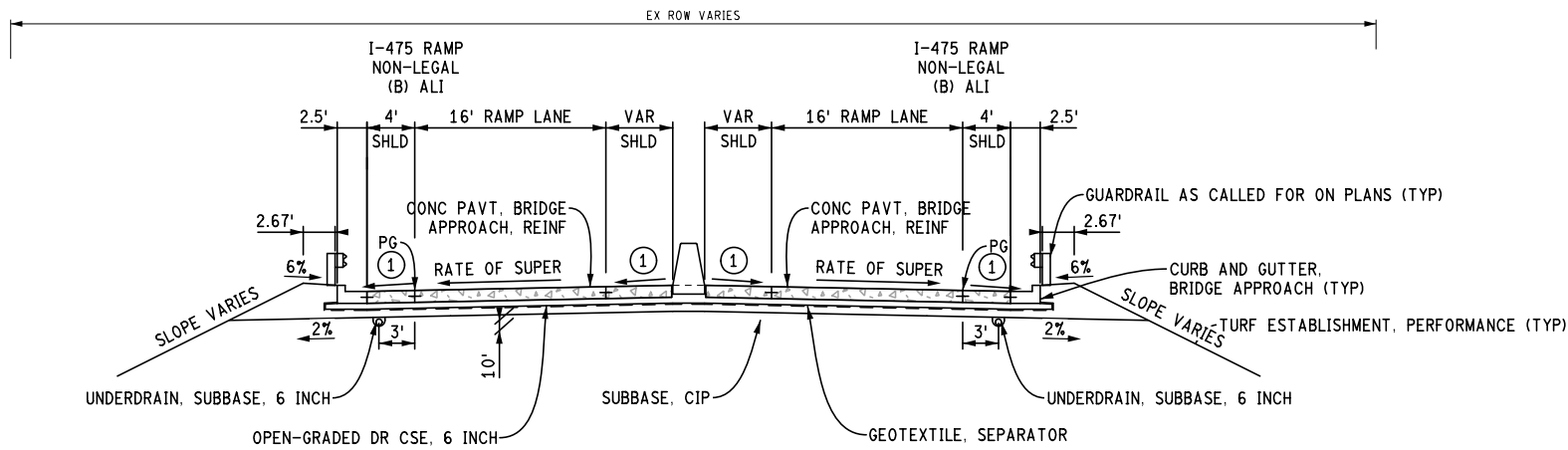
RAMP PROPOSED GORE SECTION
 TO APPLY:
 I-475 RAMP B: STA 204+59.31 TO STA 205+52.14
 I-475 RAMP C: STA 334+65.83 TO STA 335+69.19



RAMP PROPOSED GORE SECTION
 TO APPLY:
 I-475 RAMP A: STA 112+72.72 TO STA 113+64.83
 I-475 RAMP A: STA 119+21.30 TO STA 120+02.02
 I-475 RAMP B: STA 211+44.15 TO STA 212+36.57
 I-475 RAMP B: STA 219+51.59 TO STA 220+73.54
 I-475 RAMP C: STA 316+00.30 TO STA 317+08.26
 I-475 RAMP C: STA 327+27.12 TO STA 328+16.70
 I-475 RAMP D: STA 913+33.74 TO STA 914+25.20
 I-475 RAMP D: STA 920+09.28 TO STA 920+97.97

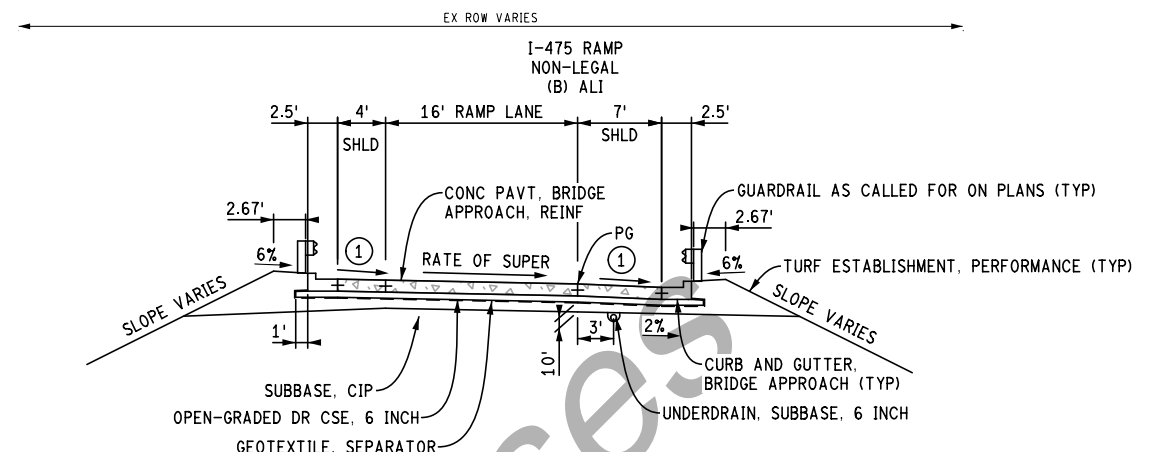
① SHOULDER SLOPE PER R-107 SERIES STANDARD PLAN

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)													
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION	DATE: 07/27/2020	CS: 25084, 25085, 25132	PROPOSED TYPICAL CROSS SECTIONS		DRAWING	SHEET
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								TSC: DAVISON		CONCRETE ALTERNATIVE			



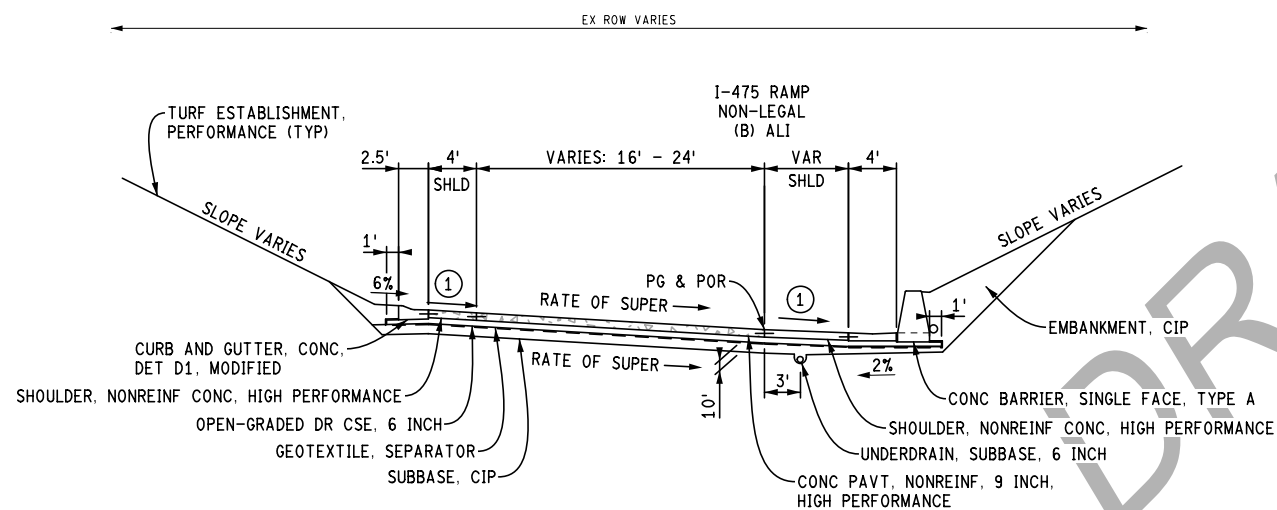
RAMP PROPOSED BRIDGE APPROACH SECTION

TO APPLY:
 I-475 RAMP G: STA 707+84.49 TO STA 708+04.49 (REF PT P)
 I-475 RAMP G: STA 713+84.11 (REF PT N) TO STA 714+04.00
 I-475 RAMP H: STA 808+27.00 TO STA 808+47.00 (REF PT L)
 I-475 RAMP H: STA 814+26.52 (REF PT M) TO STA 814+46.52



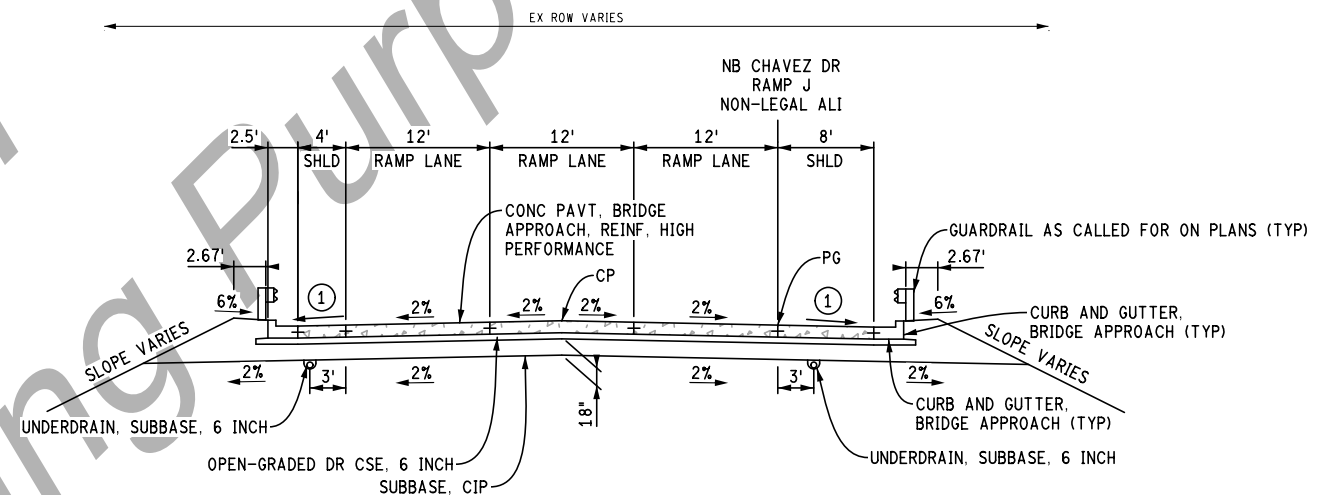
RAMP PROPOSED BRIDGE APPROACH SECTION

TO APPLY:
 I-475 RAMP E: STA 507+95.86 TO STA 508+15.86 (REF PT G)
 I-475 RAMP E: STA 512+66.63 (REF PT H) TO STA 512+86.63
 I-475 RAMP F: STA 610+32.14 TO STA 610+52.14 (REF PT K)
 I-475 RAMP F: STA 615+03.13 (REF PT J) TO STA 615+23.13



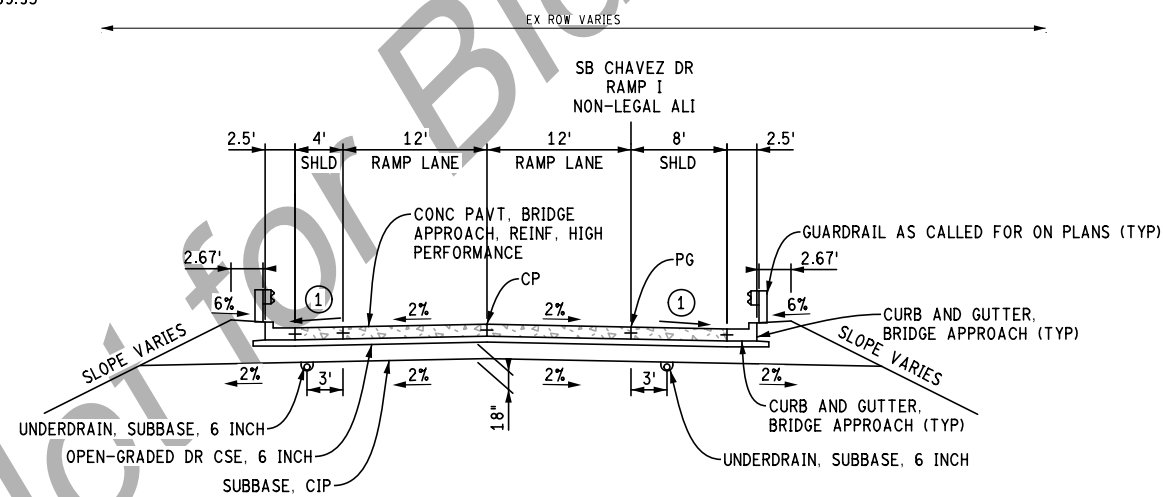
RAMP PROPOSED SUPERELEVATED SECTION

TO APPLY:
 I-475 RAMP D: STA 925+05.65 TO STA 927+99.95



RAMP PROPOSED BRIDGE APPROACH SECTION

TO APPLY:
 NB CHAVEZ DR RAMP J: STA 19+60.08 TO STA 19+80.08 (REF PT A)
 NB CHAVEZ DR RAMP J: STA 21+17.08 (REF PT B) TO STA 22+00.27



RAMP PROPOSED BRIDGE APPROACH SECTION

TO APPLY:
 SB CHAVEZ DR RAMP I: STA 1+37.94 TO STA 1+95.50 (REF PT A)
 SB CHAVEZ DR RAMP I: STA 3+23.50 (REF PT B) TO STA 3+43.50

① TRANSITION SHOULDER SLOPE TO MATCH BRIDGE

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)								PROPOSED TYPICAL CROSS SECTIONS		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION	I-69/I-475 INTERCHANGE RAMPS		I-69 PR TYP 047	SECT 1
								CONCRETE ALTERNATIVE			91

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FILE: 128093_PR_TYP_I-475_002.dgn

DATE: 07/27/2020
DESIGN UNIT: BLOCK
TSC: DAVISON

CS: 25084, 25085, 25132
JN: 132026A



TO APPLY:
M-54 RAMP A: STA 130+41.25 TO STA 136+79.04
M-54 RAMP B: STA 232+51.26 TO STA 238+61.82



TO APPLY:
M-54 RAMP C: STA 332+78.74 TO STA 335+40.62



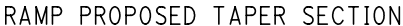
TO APPLY:
M-54 RAMP A: STA 136+79.04 TO STA 141+42.18



TO APPLY:
M-54 RAMP C: STA 335+40.62 TO STA 337+92.12



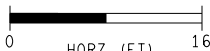
TO APPLY:
M-54 RAMP B: STA 231+87.22 TO STA 232+34.76



TO APPLY:
M-54 RAMP B: STA 229+47.08 TO STA 231+87.22

① SHOULDER SLOPE PER R-107 SERIES STANDARD PLAN

FINAL ROW PLAN REVISIONS				(SUBMITTAL DATE:)			
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION



FILE: 128093_PR_TYP_M-54_002.dgn

DATE: 07/27/2020

DESIGN UNIT: BLOCK

TSC: DAVISON

CS: 25084, 25085, 25132

JN: 132026A

PROPOSED TYPICAL CROSS SECTIONS

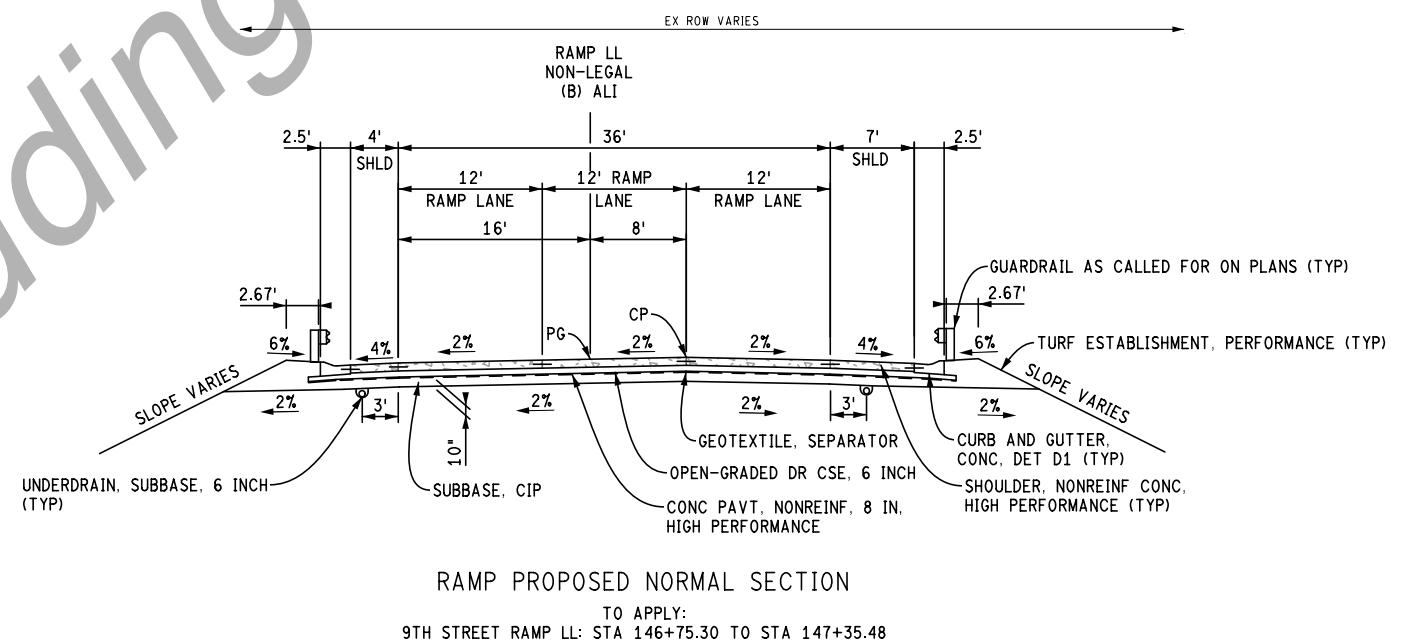
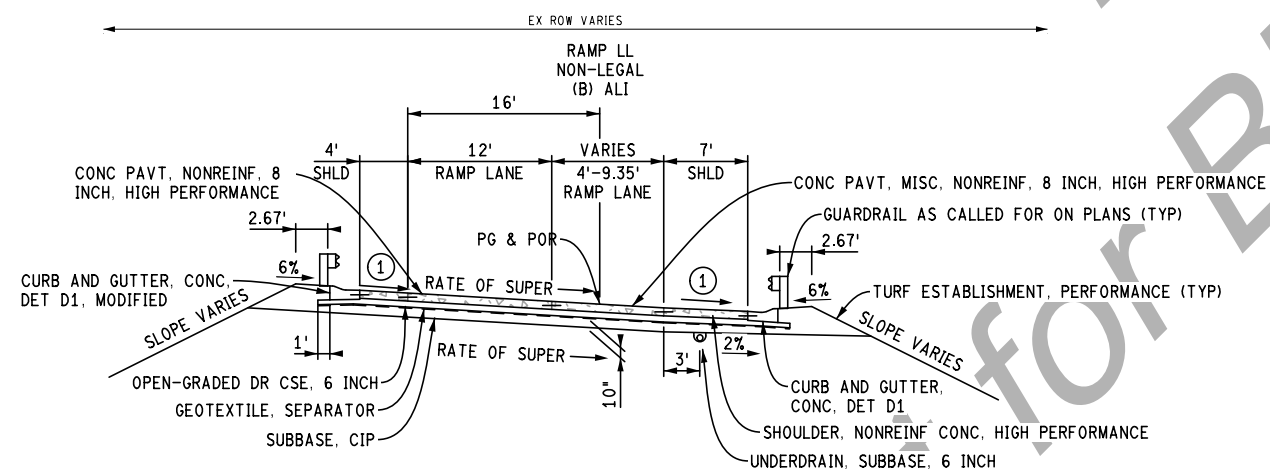
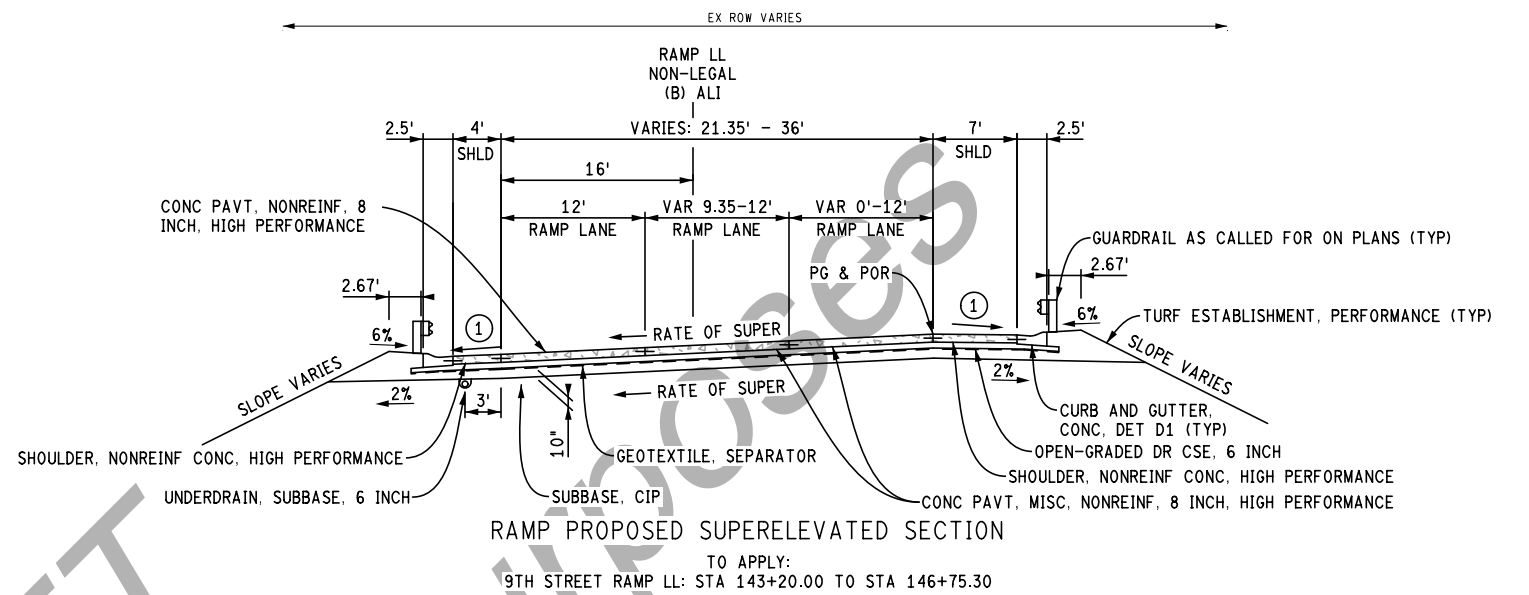
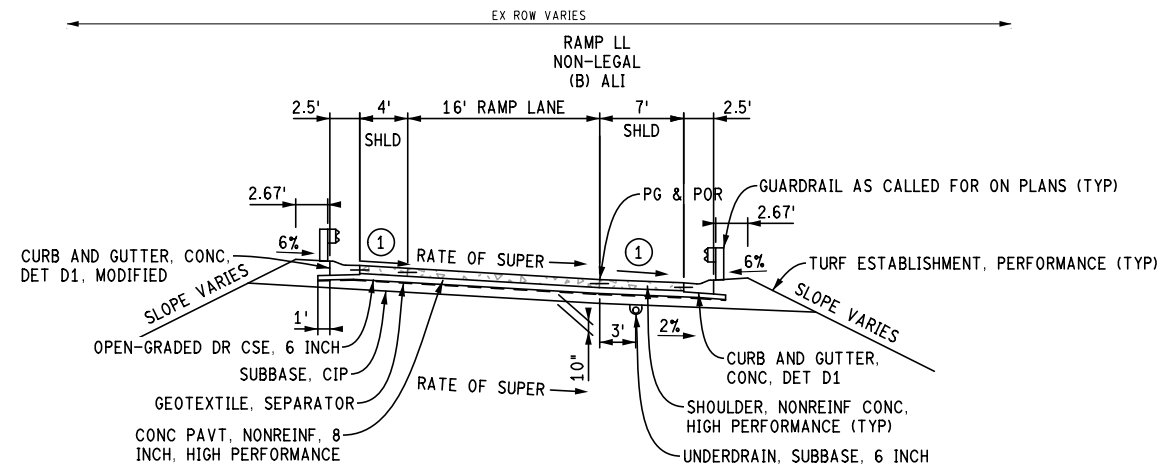
M-54 (DORT HIGHWAY) INTERCHANGE RAMPS

CONCRETE ALTERNATIVE

DRAWING SHEET

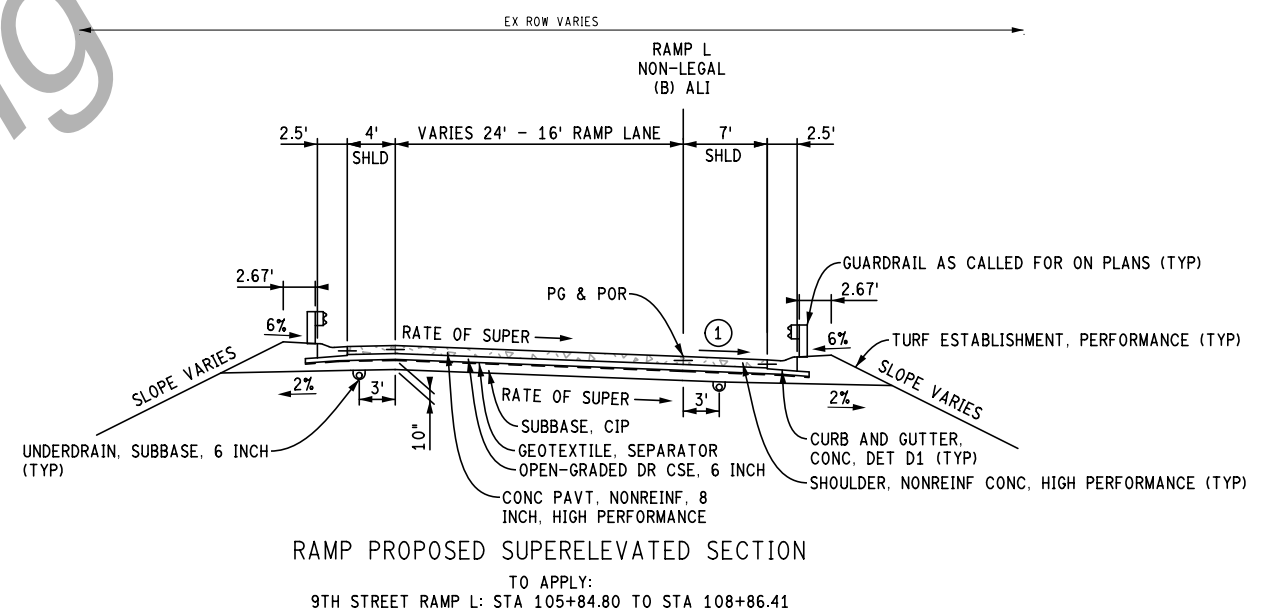
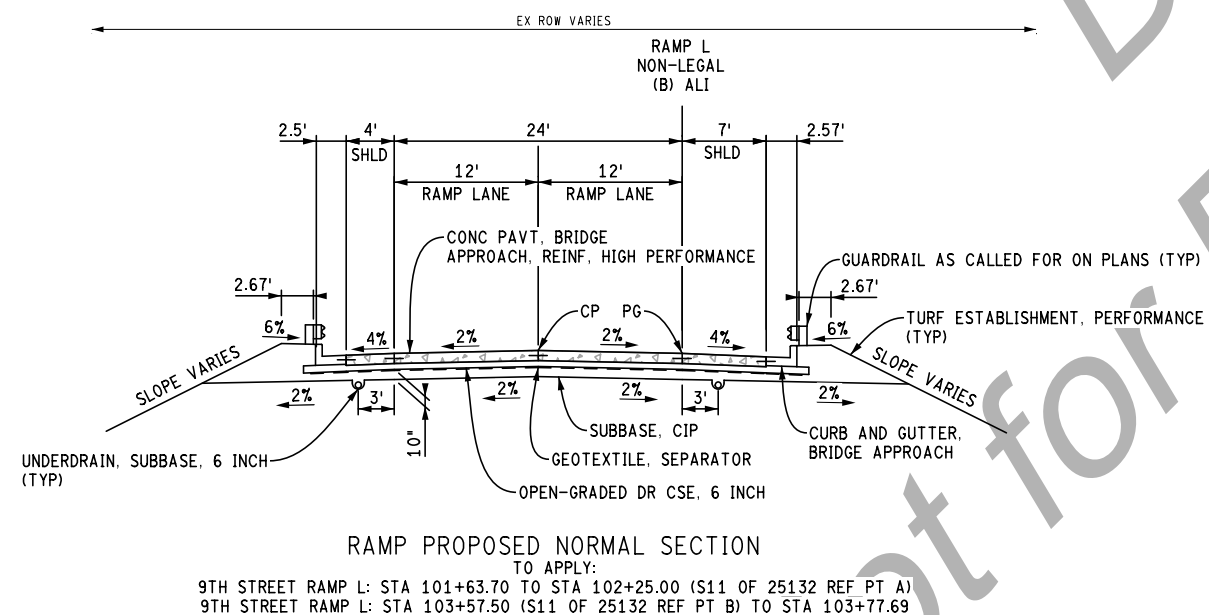
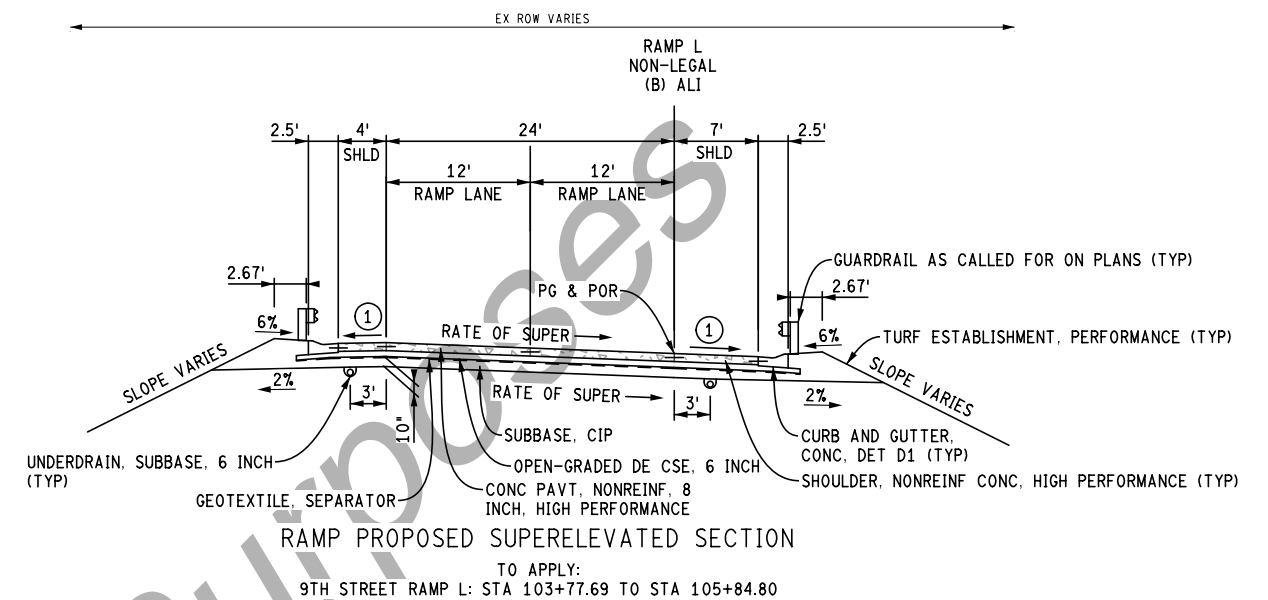
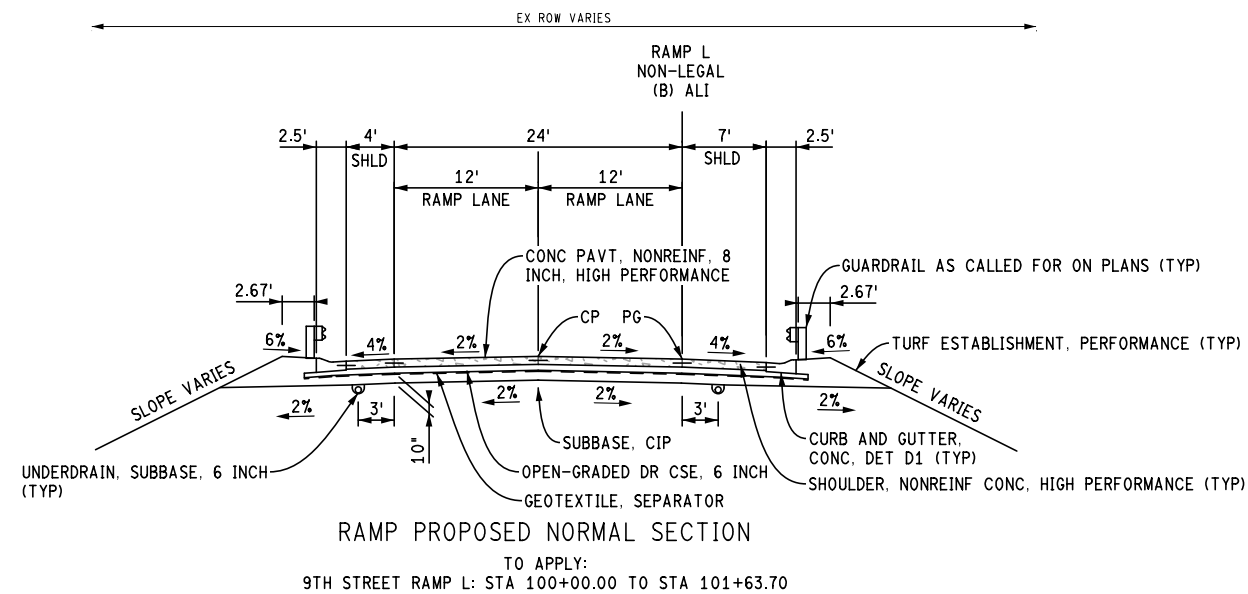
1-69	SECT 1
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048	92
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① SHOULDER SLOPE PER R-107 SERIES STANDARD PLAN

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)										PROPOSED TYPICAL CROSS SECTIONS		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION			1-69 SERVICE DRIVE RAMPS			
										CONCRETE ALTERNATIVE		1-69 PR TYP 049	93



① SHOULDER SLOPE PER R-107 SERIES STANDARD PLAN

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)																	
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION										

DATE: 07/27/2020

DESIGN UNIT: BLOCK

FILE: 128093_PR_TYP_Svc_Drive_002.dgn

CS: 25084, 25085, 25132

JN: 132026A

TSC: DAVISON

PROPOSED TYPICAL CROSS SECTIONS

1-69 SERVICE DRIVE RAMPS

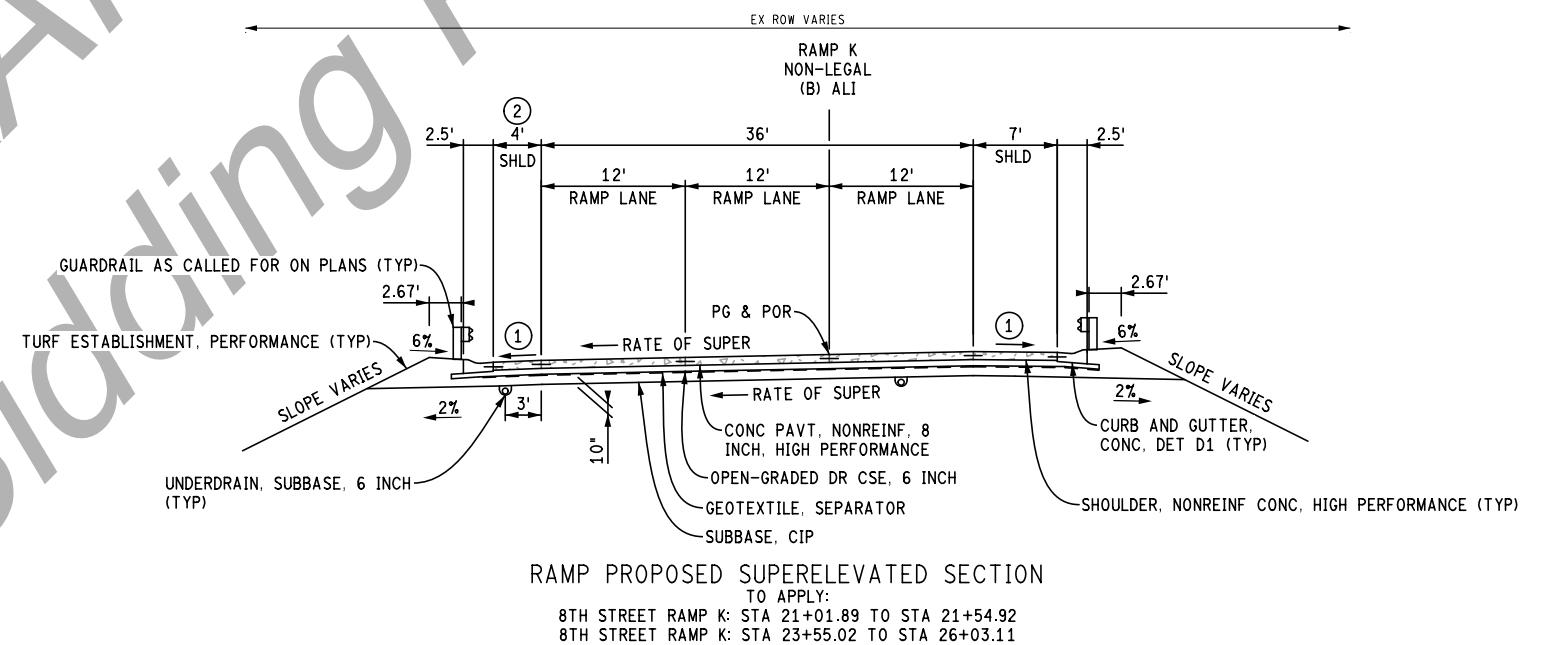
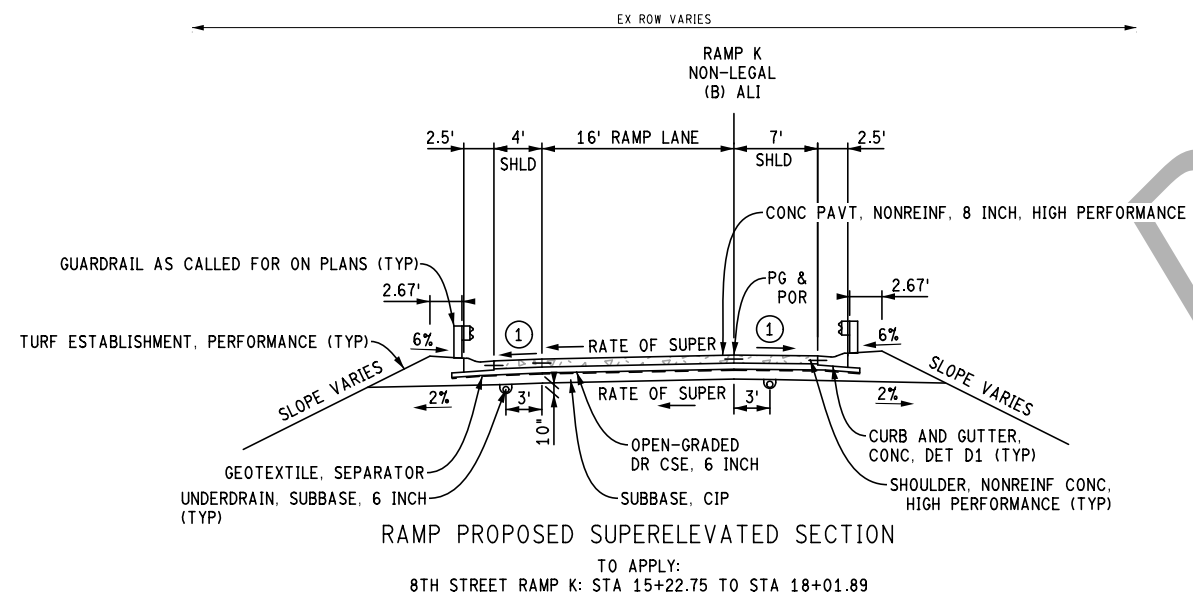
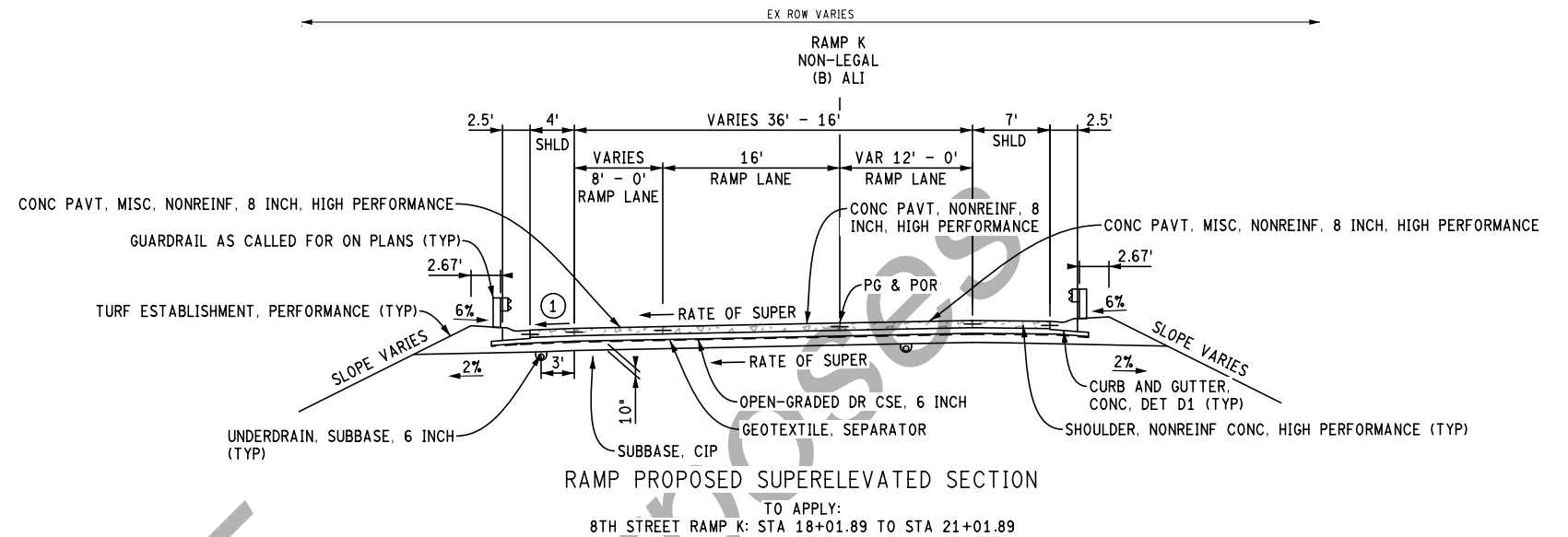
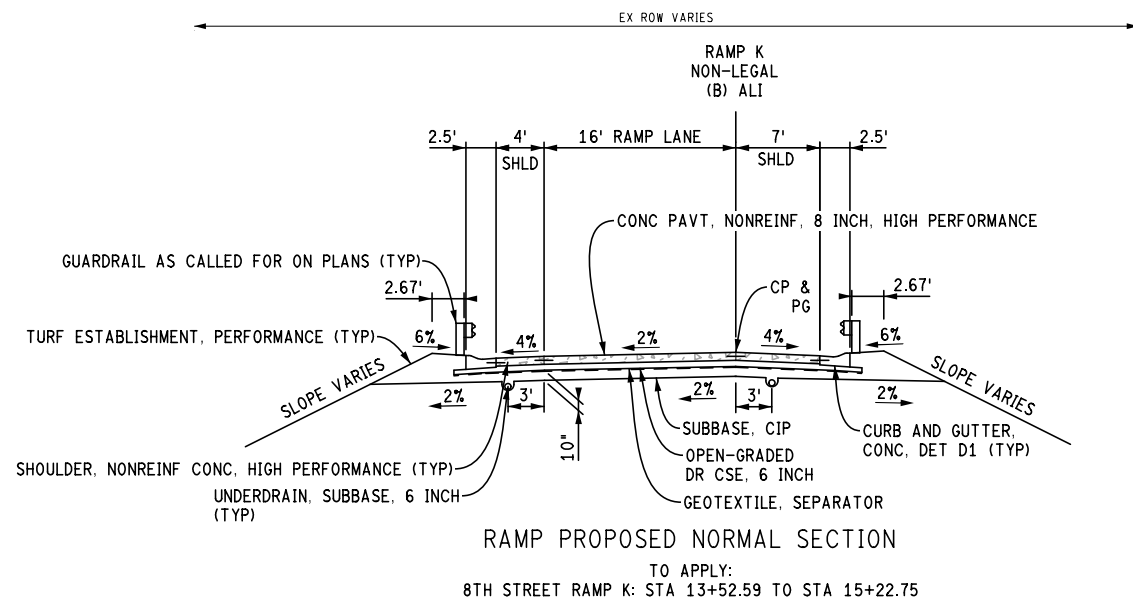
CONCRETE ALTERNATIVE

DRAWING

1-69 PR TYP 050

SHEET

94



① SHOULDER SLOPE PER R-107 SERIES STANDARD PLAN

② SHLDR WIDTH VARIES: 4' - 0'

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)					
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE

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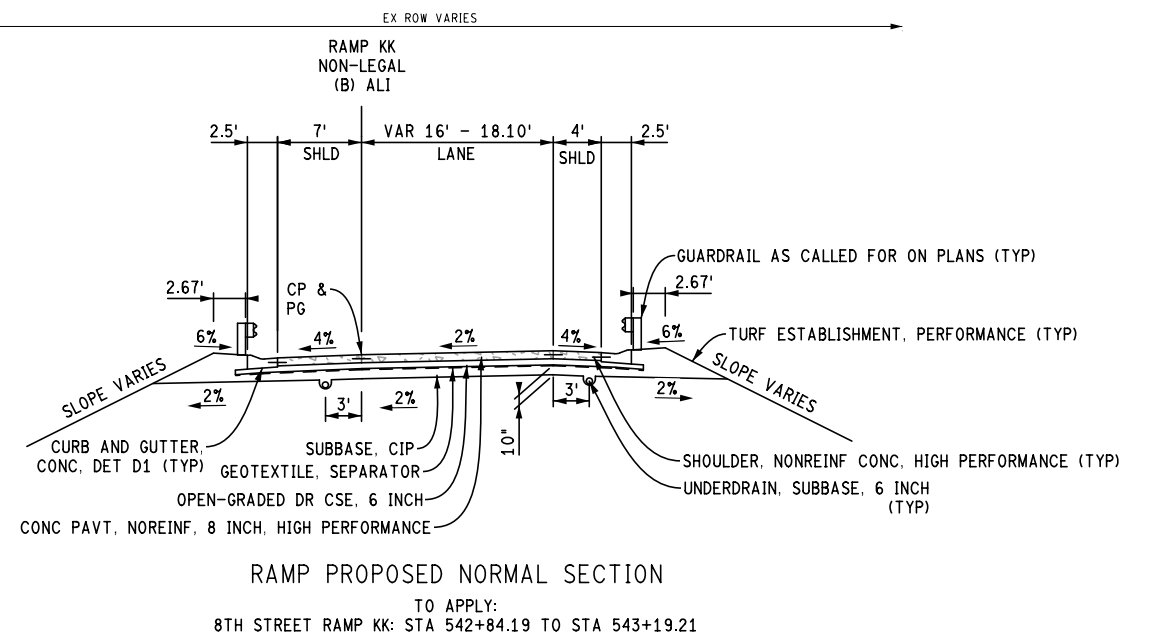
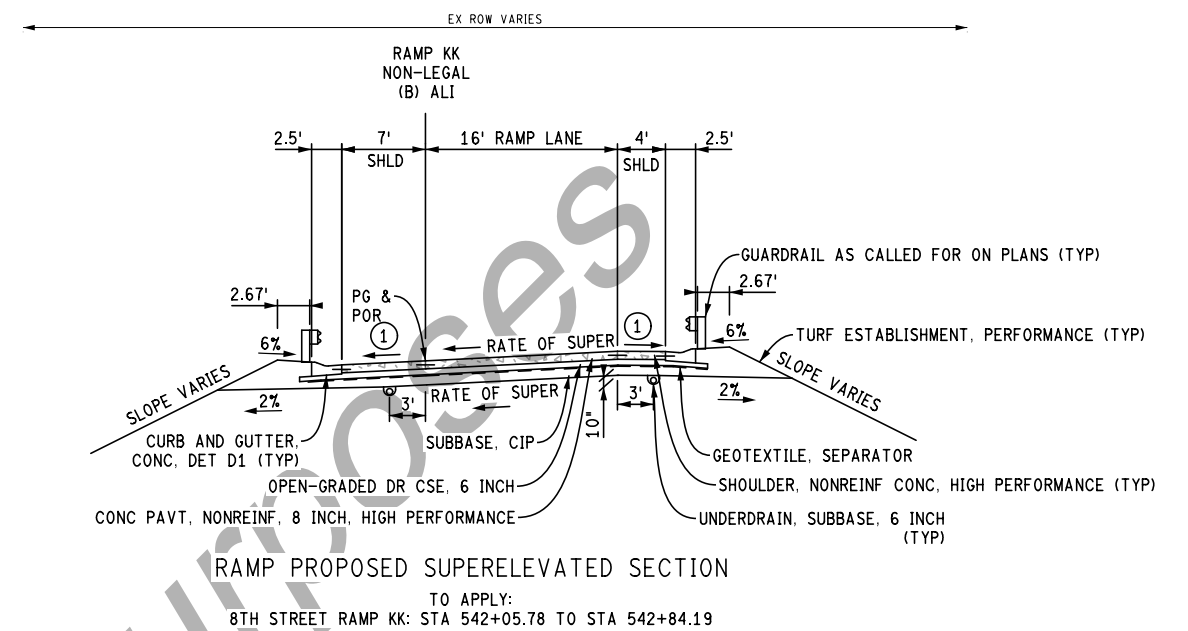
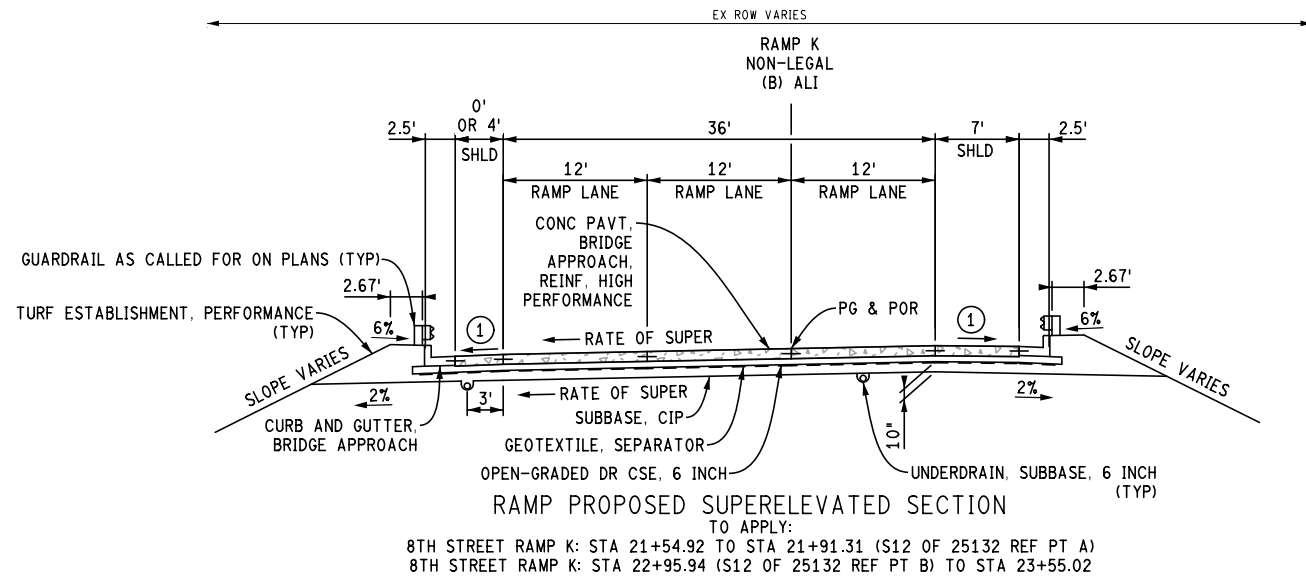
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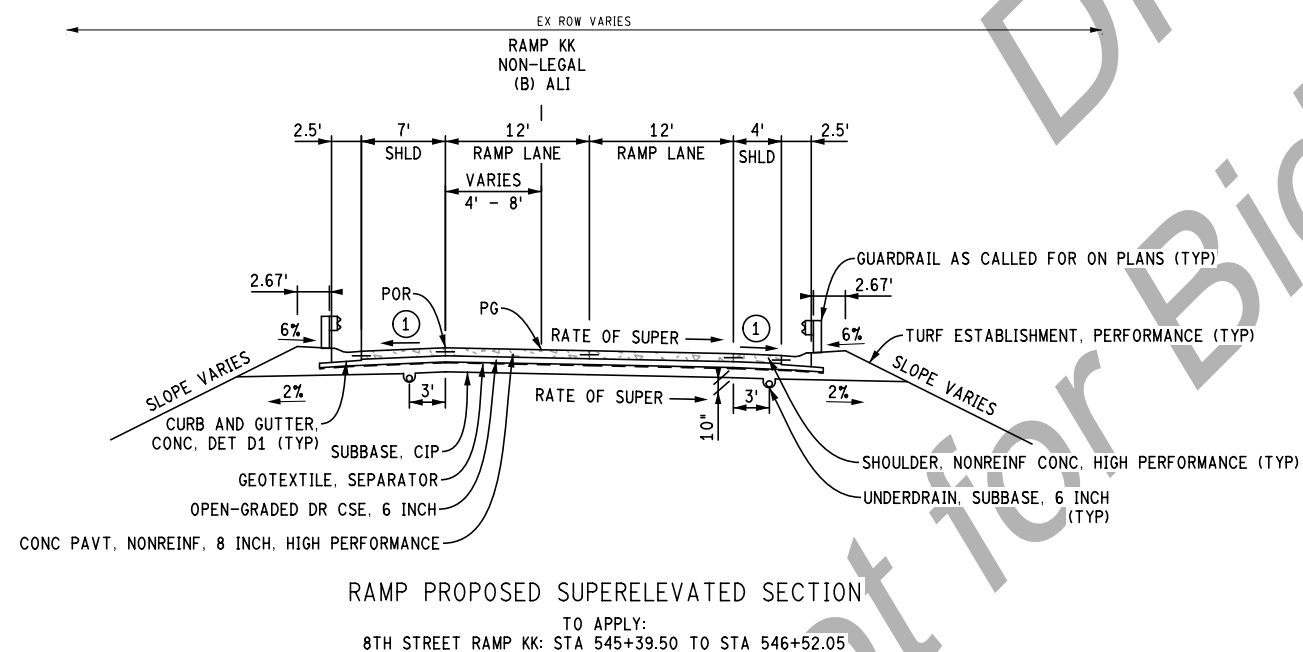
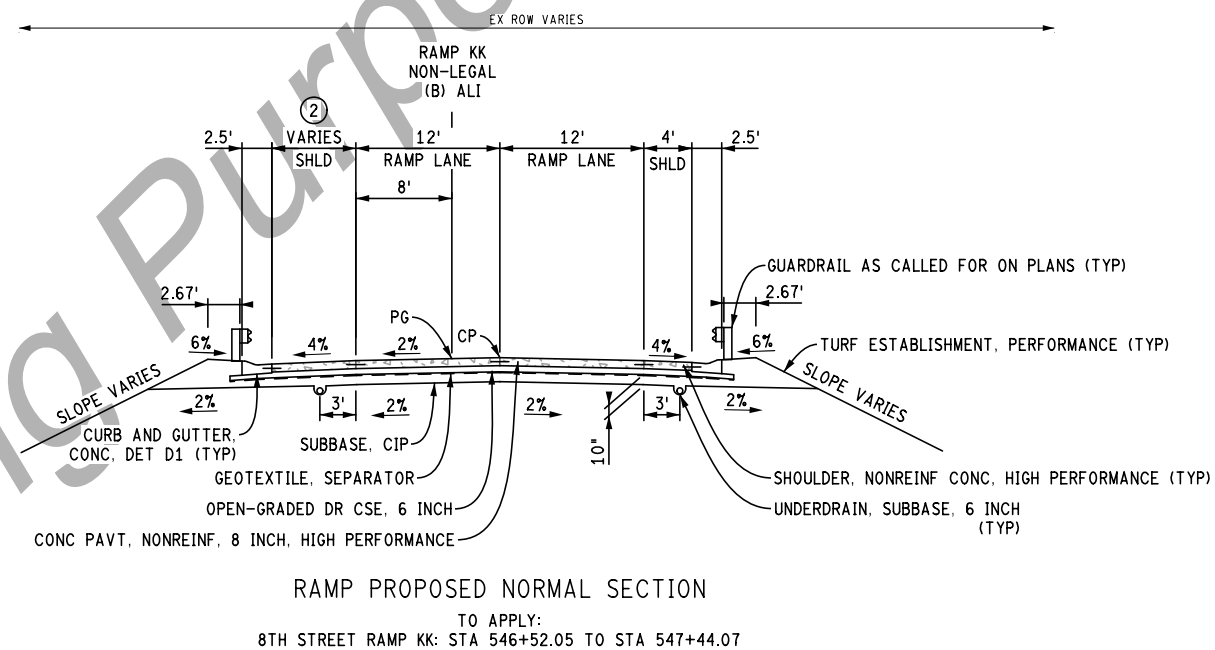
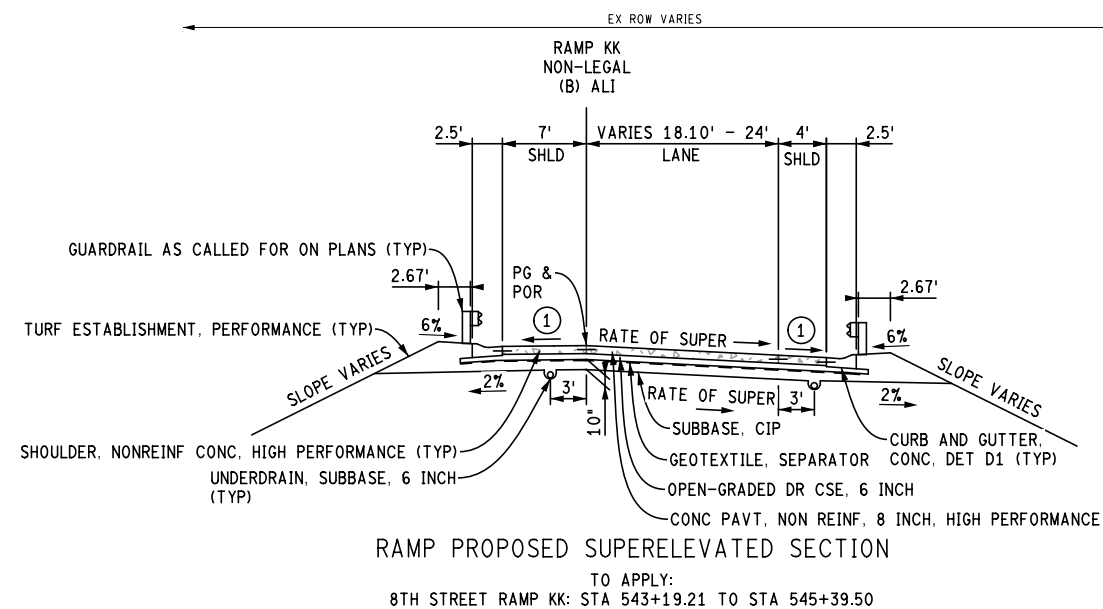
CS: 25084, 25085, 25132
JN: 132026A

PROPOSED TYPICAL CROSS SECTIONS
I-69 SERVICE DRIVE RAMPS
CONCRETE ALTERNATIVE




DRAWING SHEET
I-69
PR TYP
051
95

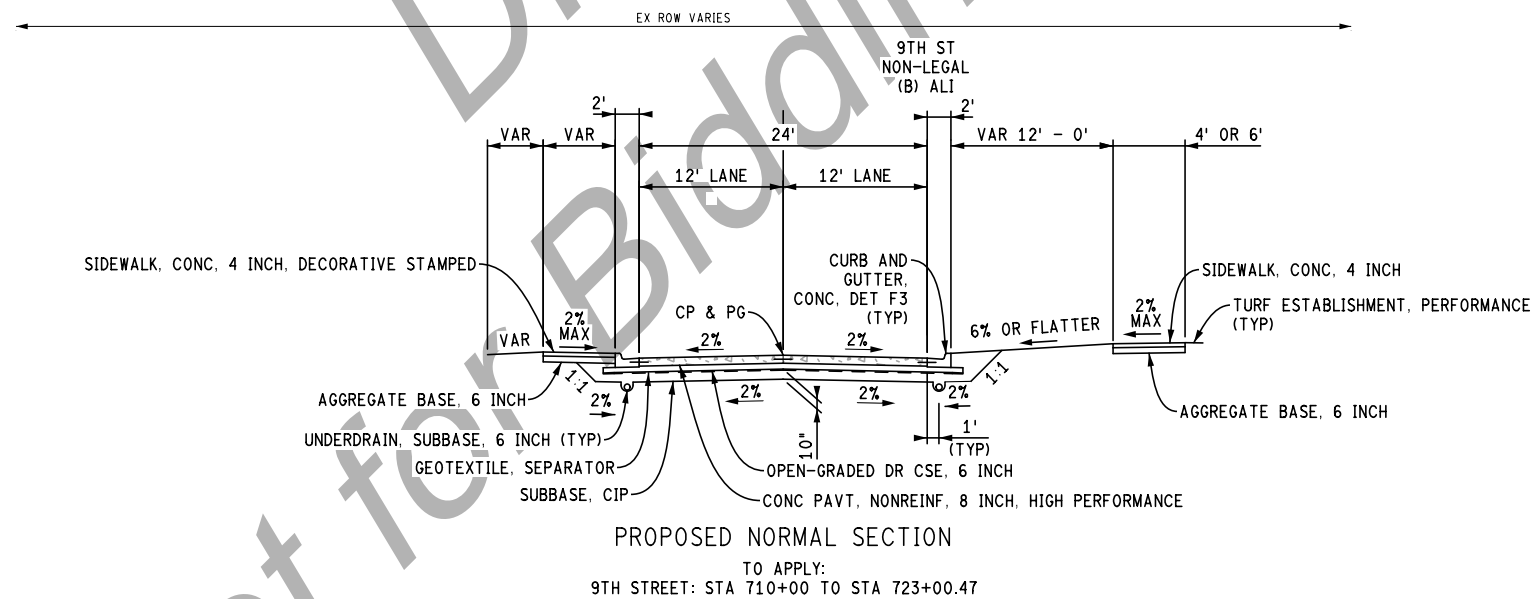


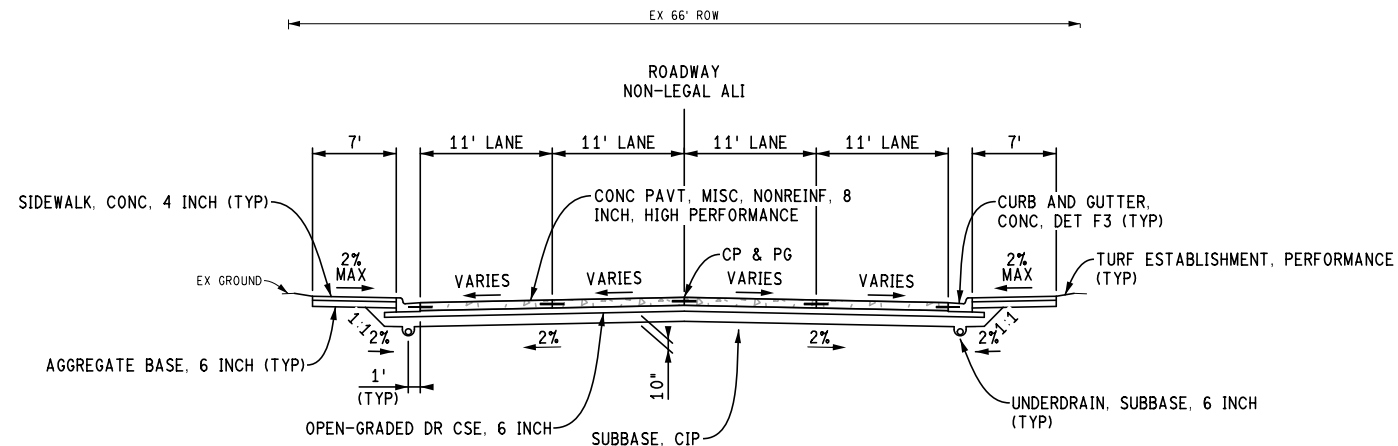
① SHOULDER SLOPE PER R-107 SERIES STANDARD PLAN



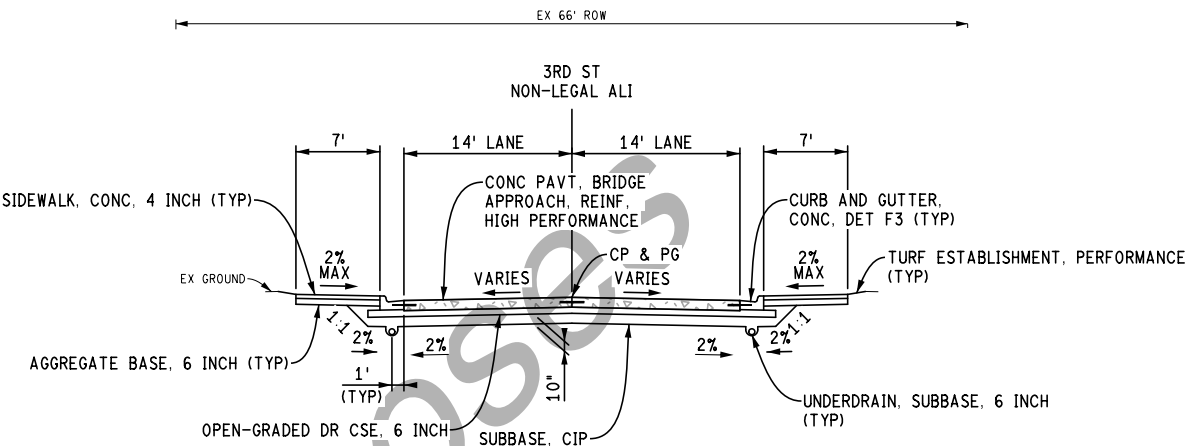
- ① SHOULDER SLOPE PER R-107 SERIES STANDARD PLAN
- ② SHOULDER VARIES 7' - 3'

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)								  		DATE: 07/27/2020 DESIGN UNIT: BLOCK FILE: 128093_PR_TYP_Svc_Drive_002.dgnTSC: DAVISON		CS: 25084, 25085, 25132 JN: 132026A		PROPOSED TYPICAL CROSS SECTIONS		DRAWING	SHEET
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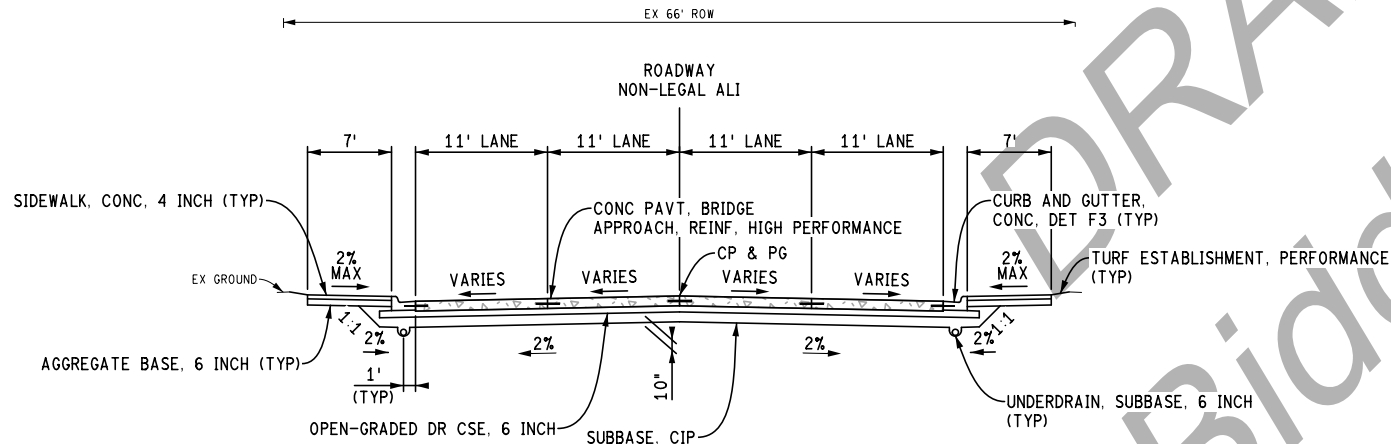




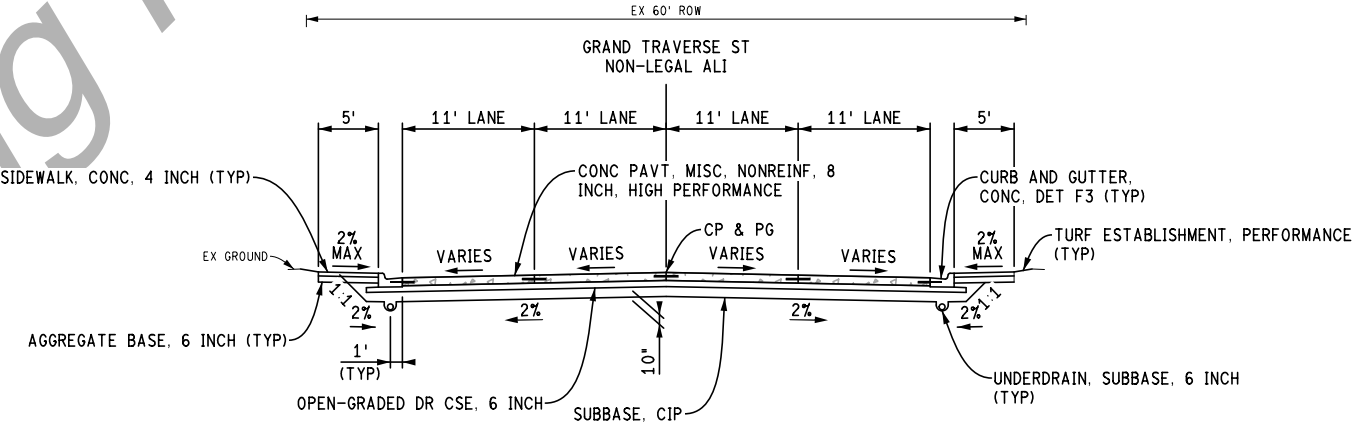
PROPOSED LOCAL ROAD SECTION
TO APPLY:
BEACH ST: STA 30+25.00 TO STA 31+30.83
BEACH ST: STA 33+76.75 TO STA 34+59.55
CHURCH ST: STA 20+25.06 TO STA 21+41.71
CHURCH ST: STA 23+61.16 TO STA 24+48.24



PROPOSED LOCAL ROAD SECTION
TO APPLY:
3RD ST: STA 8+93.31 TO STA 9+21.64
3RD ST: STA 10+82.42 TO STA 11+16.93

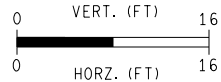


PROPOSED LOCAL ROAD SECTION
TO APPLY:
BEACH ST: STA 31+30.83 TO STA 31+50.83
BEACH ST: STA 33+56.75 TO STA 33+76.75
CHURCH ST: STA 21+41.71 TO STA 21+61.71
CHURCH ST: STA 23+41.16 TO STA 23+61.16
5TH ST: STA 12+87.39 TO STA 13+09.56
5TH ST: STA 15+30.83 TO STA 15+52.40
COURT ST: STA 98+86.62 TO STA 99+08.10
COURT ST: STA 100+81.10 TO STA 101+02.62



PROPOSED LOCAL ROAD SECTION
TO APPLY:
GRAND TRAVERSE ST: STA 10+25.00 TO STA 11+50.01
GRAND TRAVERSE ST: STA 13+63.83 TO STA 14+69.50

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)					
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE

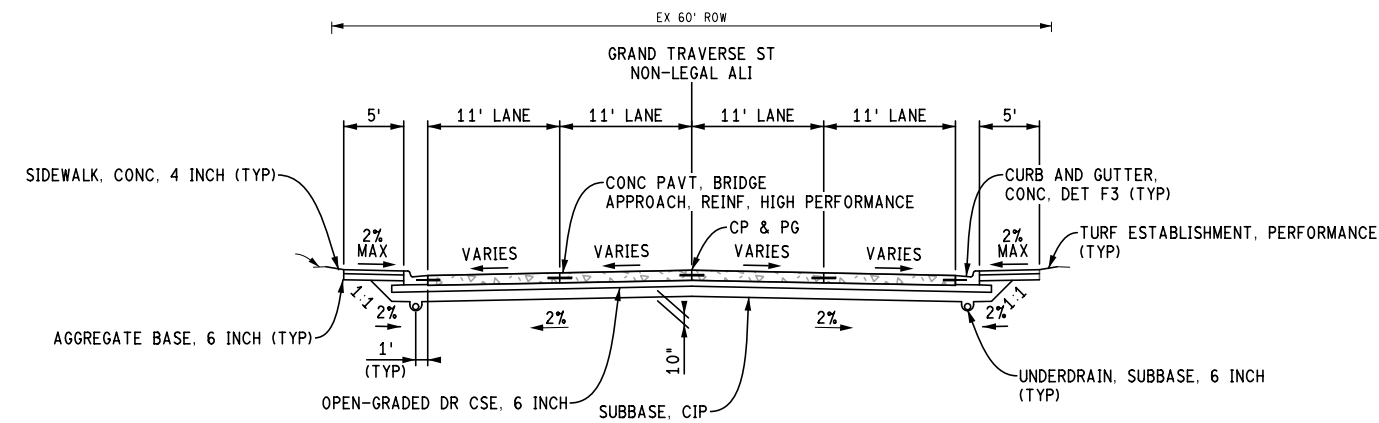


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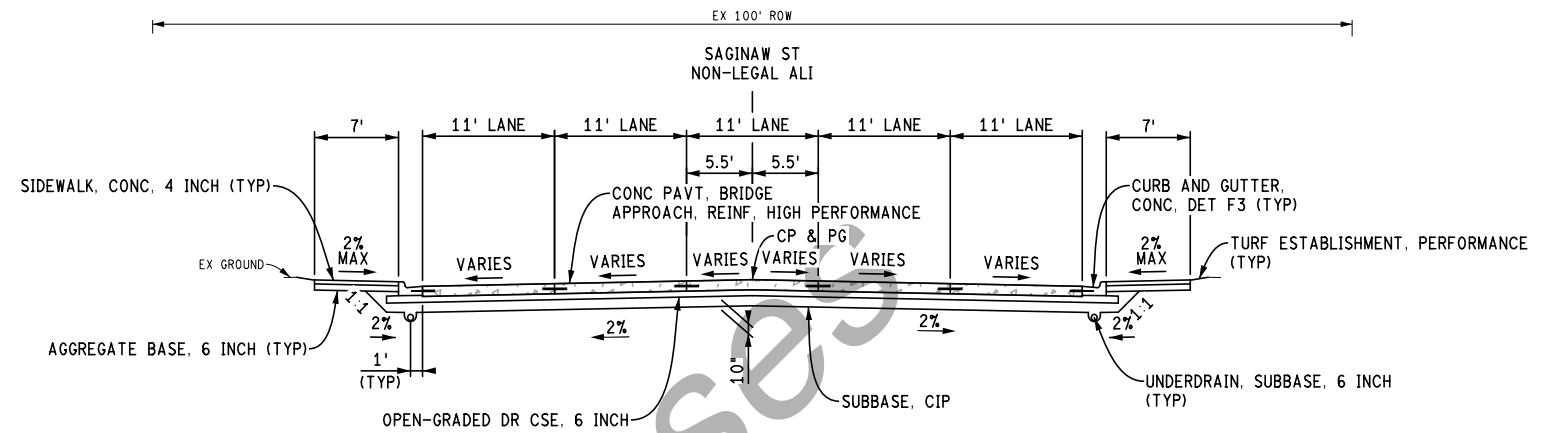
DATE: 07/27/2020
DESIGN UNIT: BLOCK
TSC: DAVISON

CS: 25084, 25085, 25132
JN: 132026A

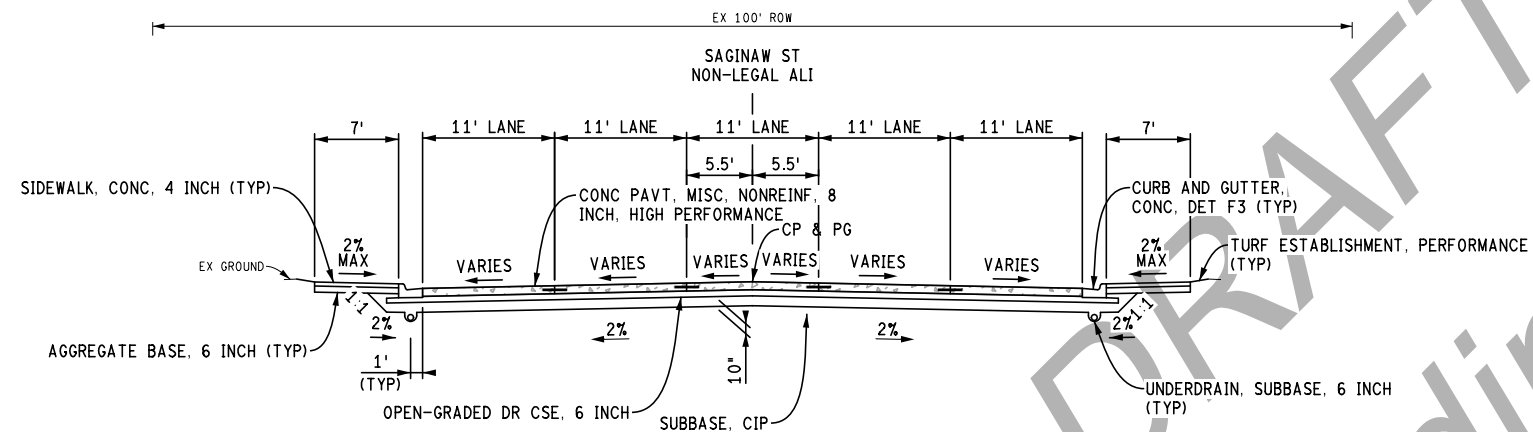
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PROPOSED TYPICAL CROSS SECTIONS		1-69 PR TYP 055	
LOCAL ROADS		SECT 1	
CONCRETE ALTERNATIVE		99	



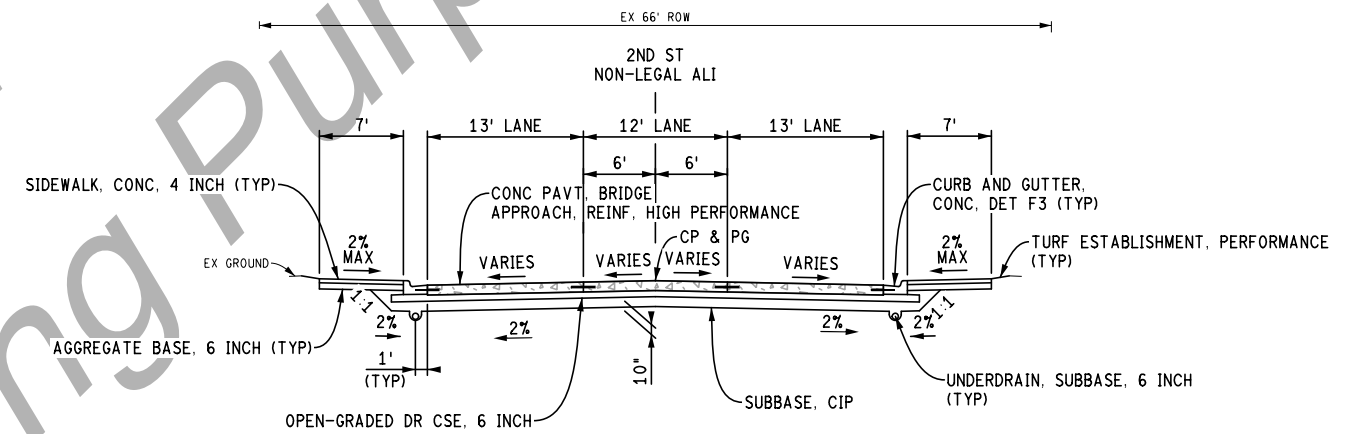
PROPOSED LOCAL ROAD SECTION
TO APPLY:
GRAND TRAVERSE ST: STA 11+50.01 TO STA 11+70.01
GRAND TRAVERSE ST: STA 13+43.83 TO STA 13+63.83



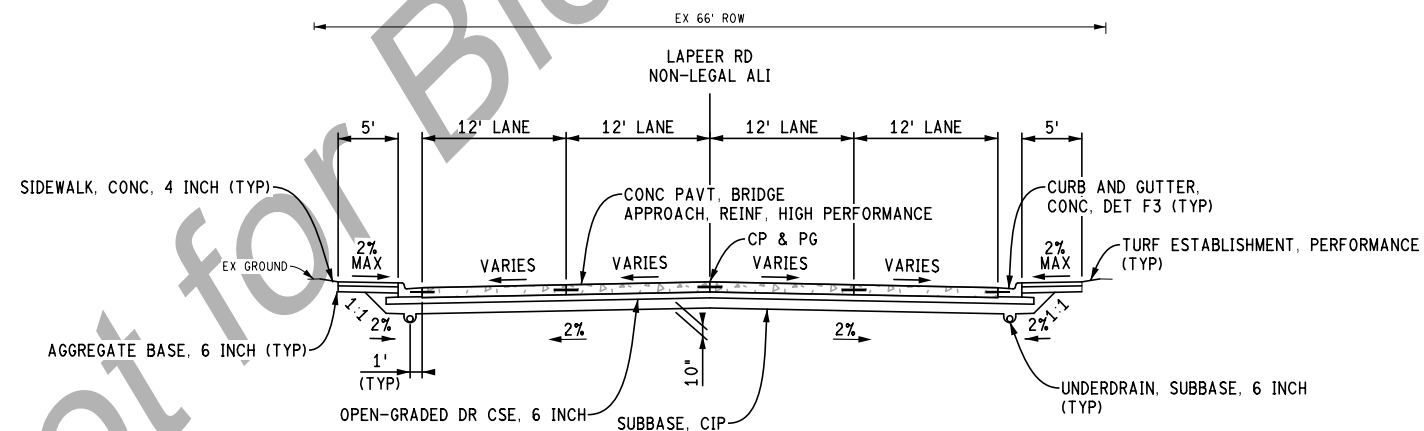
PROPOSED LOCAL ROAD SECTION
TO APPLY:
SAGINAW ST: STA 40+87.96 TO STA 41+07.96
SAGINAW ST: STA 43+80.66 TO STA 44+00.66



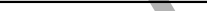
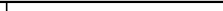
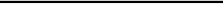
PROPOSED LOCAL ROAD SECTION
TO APPLY:
SAGINAW ST: STA 40+25.00 TO STA 40+87.96
SAGINAW ST: STA 44+00.66 TO STA 45+44.65



PROPOSED LOCAL ROAD SECTION
TO APPLY:
2ND ST: STA 8+86.06 TO STA 9+21.58
2ND ST: STA 10+85.36 TO STA 11+19.59



PROPOSED LOCAL ROAD SECTION
TO APPLY:
LAPEER RD: STA 70+71.18 TO STA 71+22.60
LAPEER RD: STA 75+80.21 TO STA 76+36.82

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)								 				DATE: 07/27/2020	CS: 25084, 25085, 25132	PROPOSED TYPICAL CROSS SECTIONS		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION					DESIGN UNIT: BLOCK	JN: 132026A	LOCAL ROADS		1-69 PR TYP 056	100
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BERGMANN
ARCHITECTS ENGINEERS PLANNERS

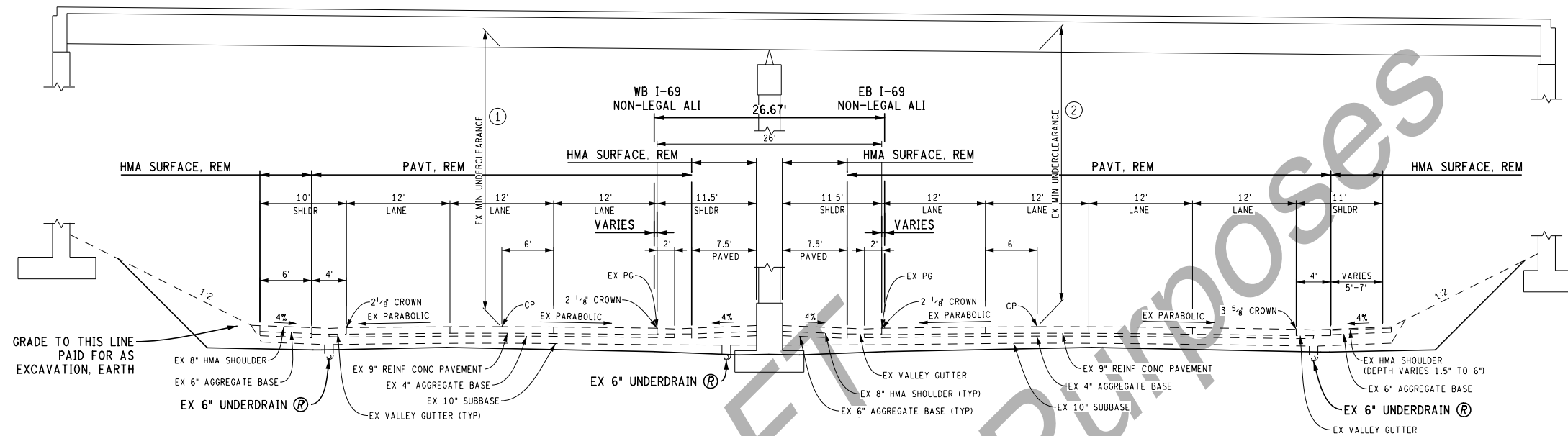
MDOT
Michigan Department of Transportation

0 VERT. (FT) 16
0 HORZ. (FT) 16

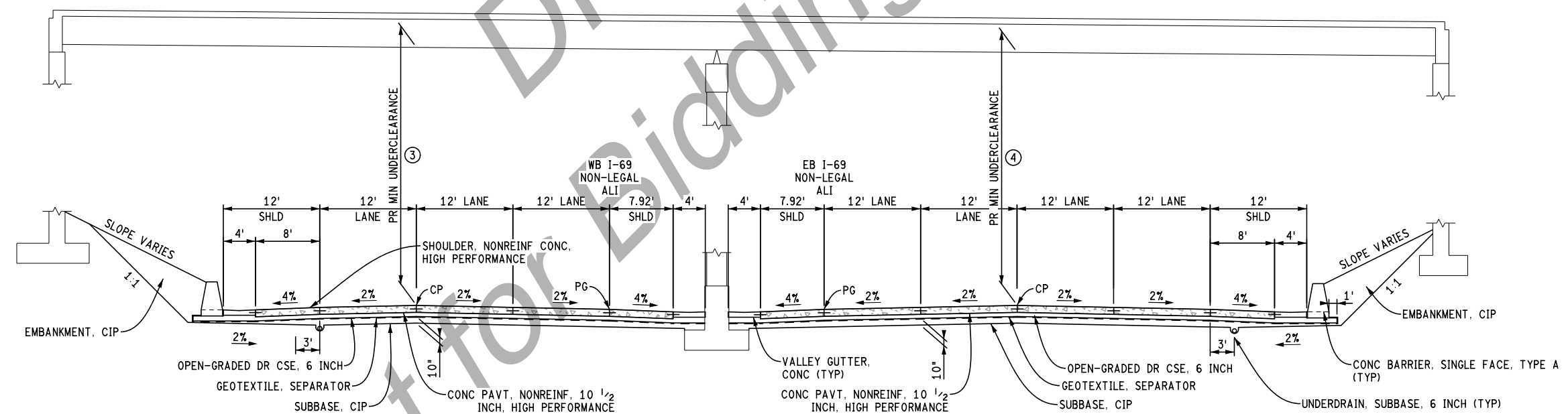
FILE: 128093_PR_TYP_Local_Rds_002.dgn

DATE: 07/27/2020
DESIGN UNIT: BLOCK
TSC: DAVISON

CS: 25084, 25085, 25132
JN: 132026A



EXISTING SECTION AT S02 OF 25085



PROPOSED SECTION AT S02 OF 25085

- ③ PR 15.88' MIN UNDERCLEARANCE (S02 OF 25085)
 ④ PR 15.23' MIN UNDERCLEARANCE (S02 OF 25085)

* BRIDGE HEIGHT EXAGGERATED FOR CLARITY

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)																	
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION										

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

MDOT
Michigan Department of Transportation

0 16
HORZ. (FT)

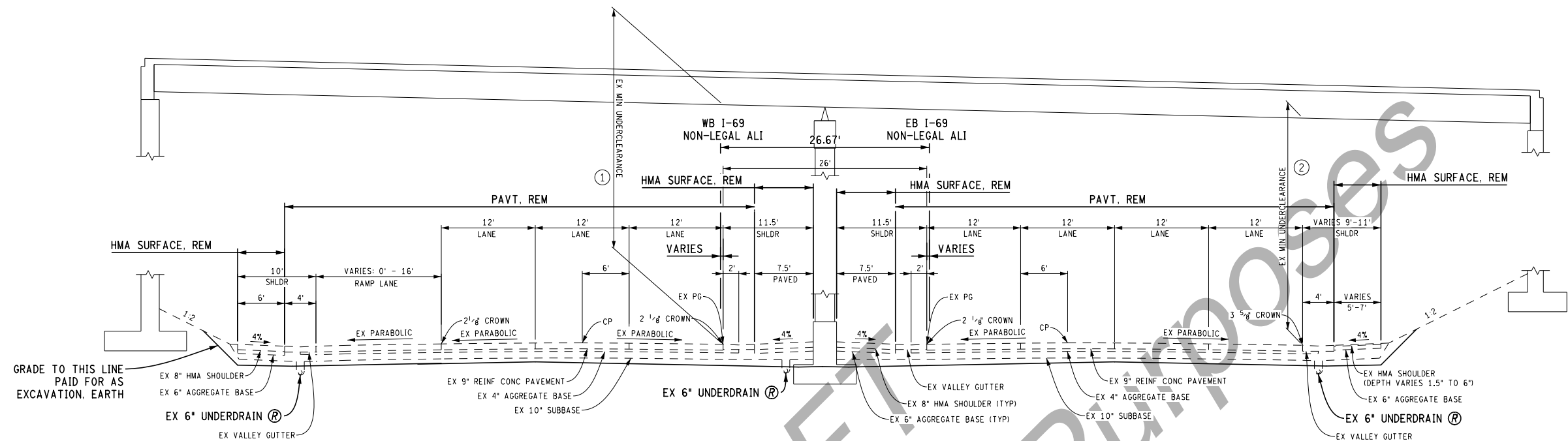
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DATE: 07/27/2020
DESIGN UNIT: BLOCK
TSC: DAVISON

CS: 25084, 25085, 25132
JN: 132026A

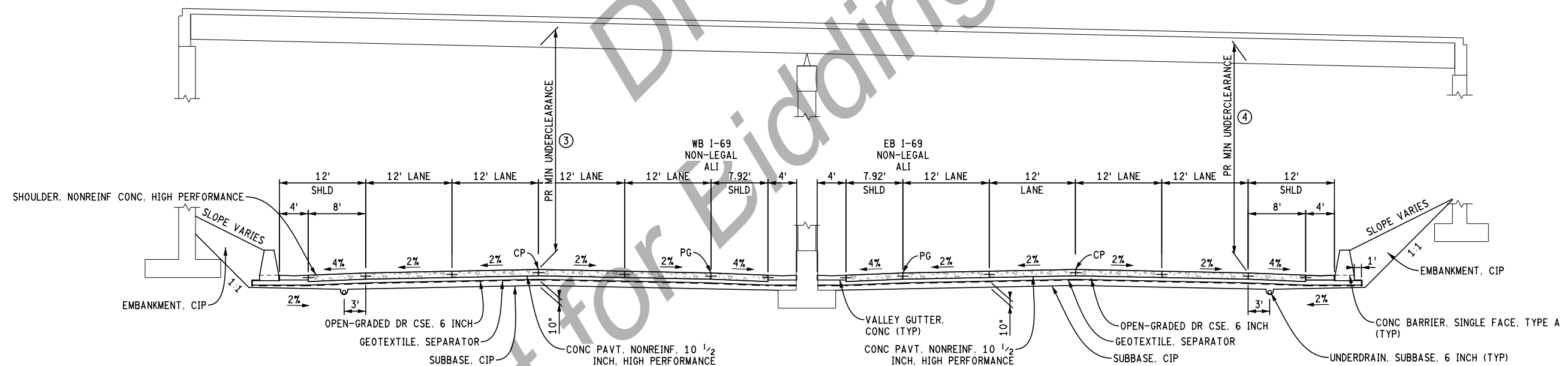
EXISTING & PROPOSED TYPICAL SECTION AT BRIDGE
S02 OF 25085
CONCRETE ALTERNATIVE

DRAWING
SHEET
1-69
BR TYP
057
101



EXISTING SECTION AT S03 OF 25085




- ① EX 16.67' MIN UNDERCLEARANCE (S03 OF 25085)
- ② EX 14.97' MIN UNDERCLEARANCE (S03 OF 25085)



PROPOSED SECTION AT S03 OF 25085

- ③ PR 17.17' MIN UNDERCLEARANCE (S03 OF 25085)
- ④ PR 15.45' MIN UNDERCLEARANCE (S03 OF 25085)

* BRIDGE HEIGHT EXAGGERATED FOR CLARITY

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)								  	DATE: 07/27/2020		CS: 25084, 25085, 25132		EXISTING & PROPOSED TYPICAL SECTION AT BRIDGE		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION		DESIGN UNIT: BLOCK		JN: 132026A		S03 OF 25085		I-69 BR TYP 058	102
									FILE: 128093_Bridge Sections_Conc.dgn		TSC: DAVISON		CONCRETE ALTERNATIVE			

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

MDOT
Michigan Department of Transportation

0 16
HORZ. (FT)

FILE: 128093_Bridge Sections_Conc.dgn

TSC: DAVISON

CS: 25084, 25085, 25132

JN: 132026A

EXISTING & PROPOSED TYPICAL SECTION AT BRIDGE

S03 OF 25085

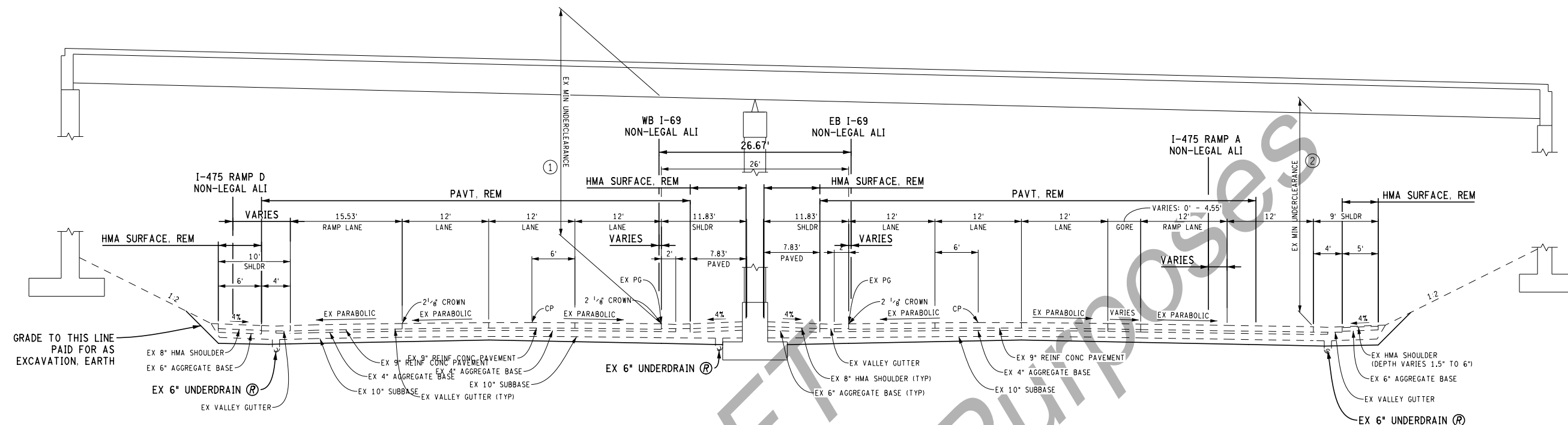
CONCRETE ALTERNATIVE

DRAWING

SHEET

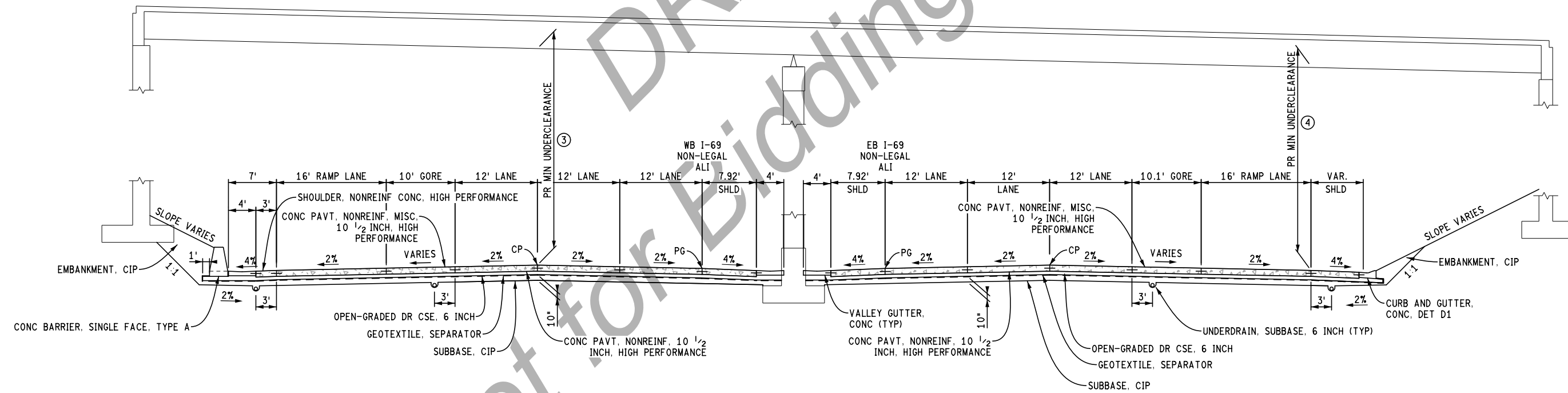
I-69 BR TYP 058

102



EXISTING SECTION AT S04 OF 25085

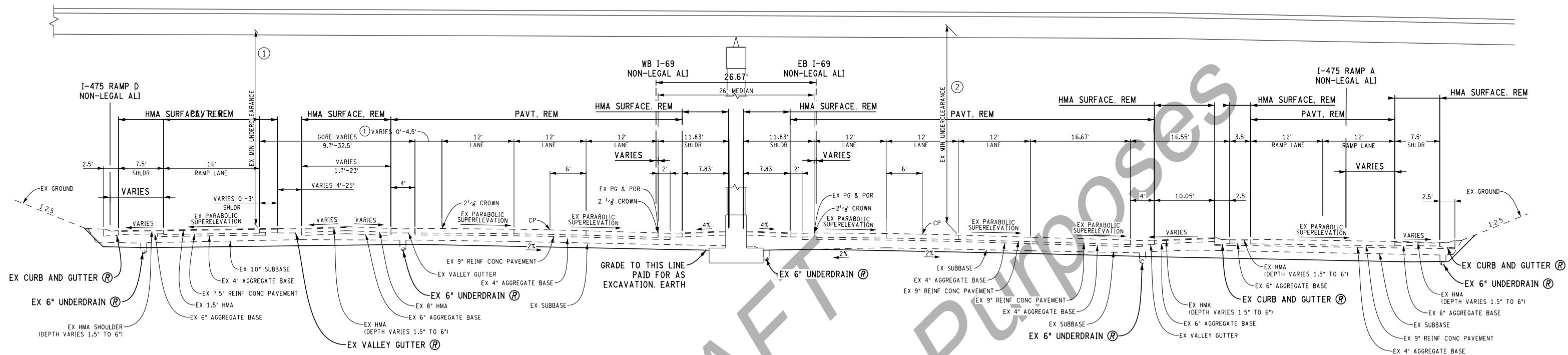
- ① EX 16.63' MIN UNDERCLEARANCE (S04 OF 25085)
- ② EX 14.53' MIN UNDERCLEARANCE (S04 OF 25085)



PROPOSED SECTION AT S04 OF 25085

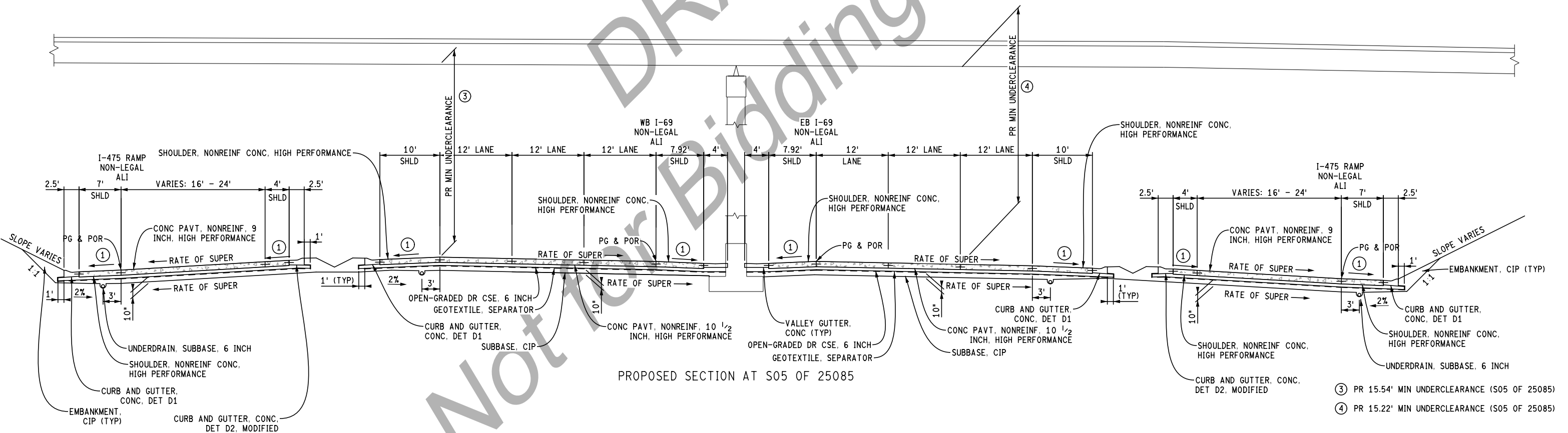
- ③ PR 17.24' MIN UNDERCLEARANCE (S04 OF 25085)
- ④ PR 15.19' MIN UNDERCLEARANCE (S04 OF 25085)

* BRIDGE HEIGHT EXAGGERATED FOR CLARITY



EXISTING SECTION AT S05 OF 25085

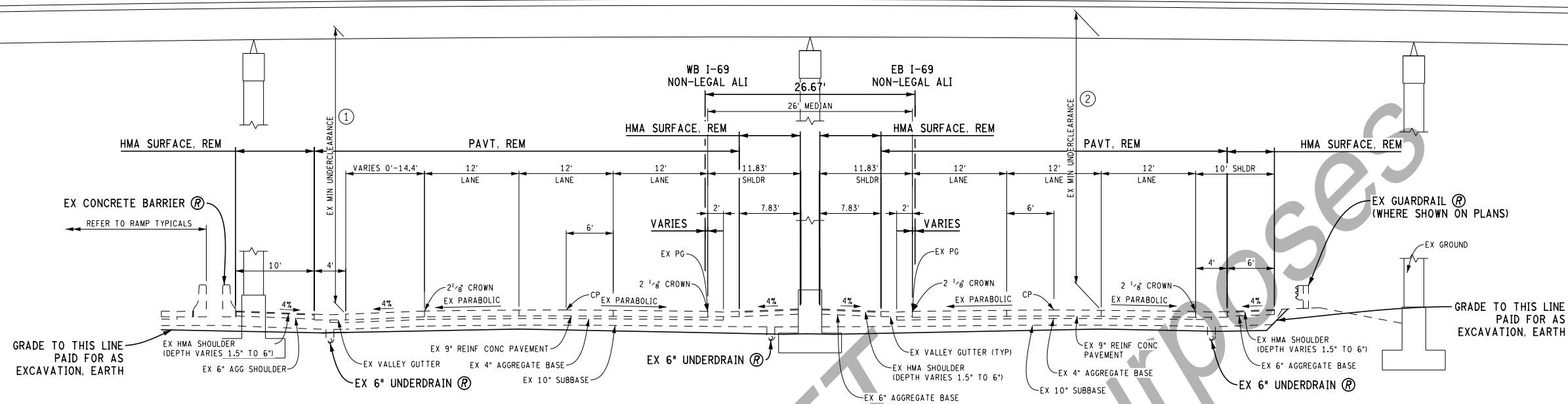
- ① EX 14.82' MIN UNDERCLEARANCE (S05 OF 25085)
- ② EX 15.02' MIN UNDERCLEARANCE (S05 OF 25085)



PROPOSED SECTION AT S05 OF 25085

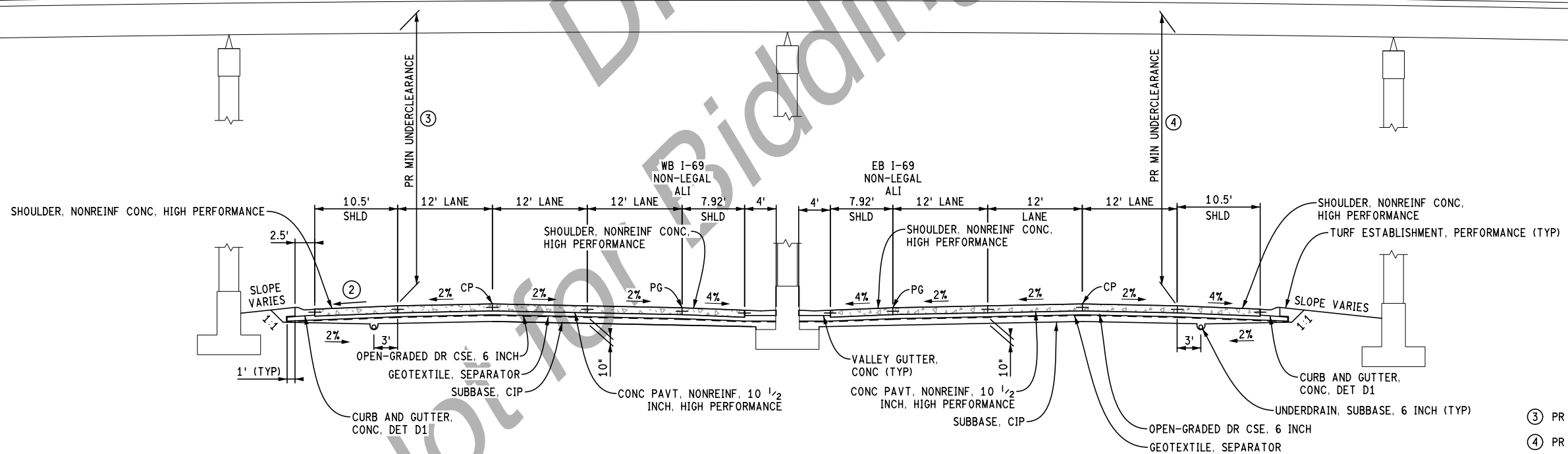
- ③ PR 15.54' MIN UNDERCLEARANCE (S05 OF 25085)
- ④ PR 15.22' MIN UNDERCLEARANCE (S05 OF 25085)

* BRIDGE HEIGHT EXAGGERATED FOR CLARITY



EXISTING SECTION AT S01 OF 25084

- ① EX 16.41' MIN UNDERCLEARANCE (S01 OF 25084)
- ② EX 15.74' MIN UNDERCLEARANCE (S01 OF 25084)

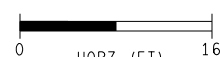


PROPOSED SECTION AT S01 OF 25084

- ③ PR 17.00' MIN UNDERCLEARANCE (S01 OF 25084)
- ④ PR 16.45' MIN UNDERCLEARANCE (S01 OF 25084)

* BRIDGE HEIGHT EXAGGERATED FOR CLARITY

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)					
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE



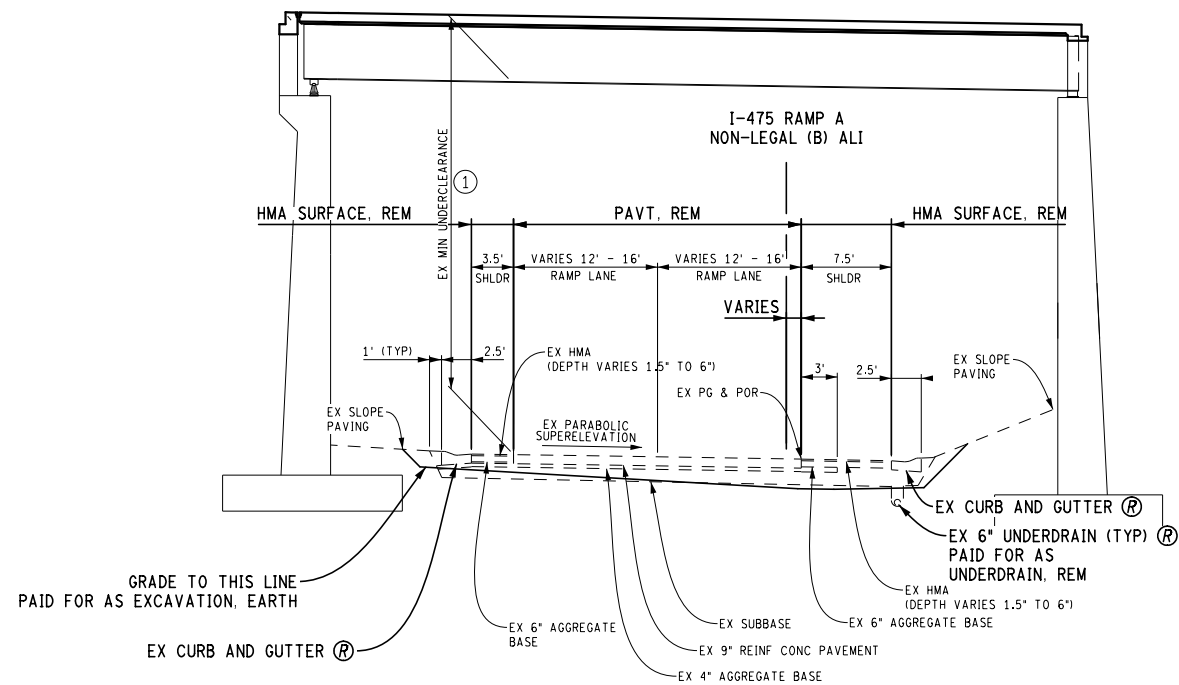
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DATE: 07/27/2020
DESIGN UNIT: BLOCK
TSC: DAVISON

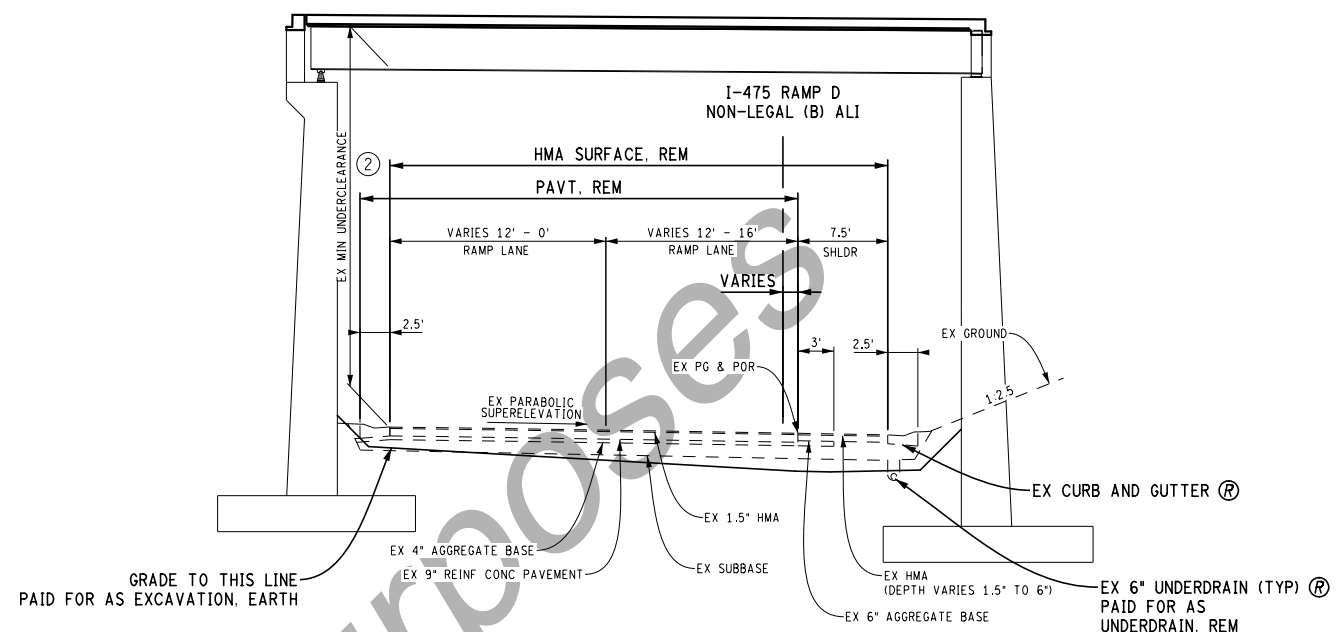
CS: 25084, 25085, 25132
JN: 132026A

EXISTING & PROPOSED TYPICAL SECTION AT BRIDGE
S01 OF 25084
CONCRETE ALTERNATIVE

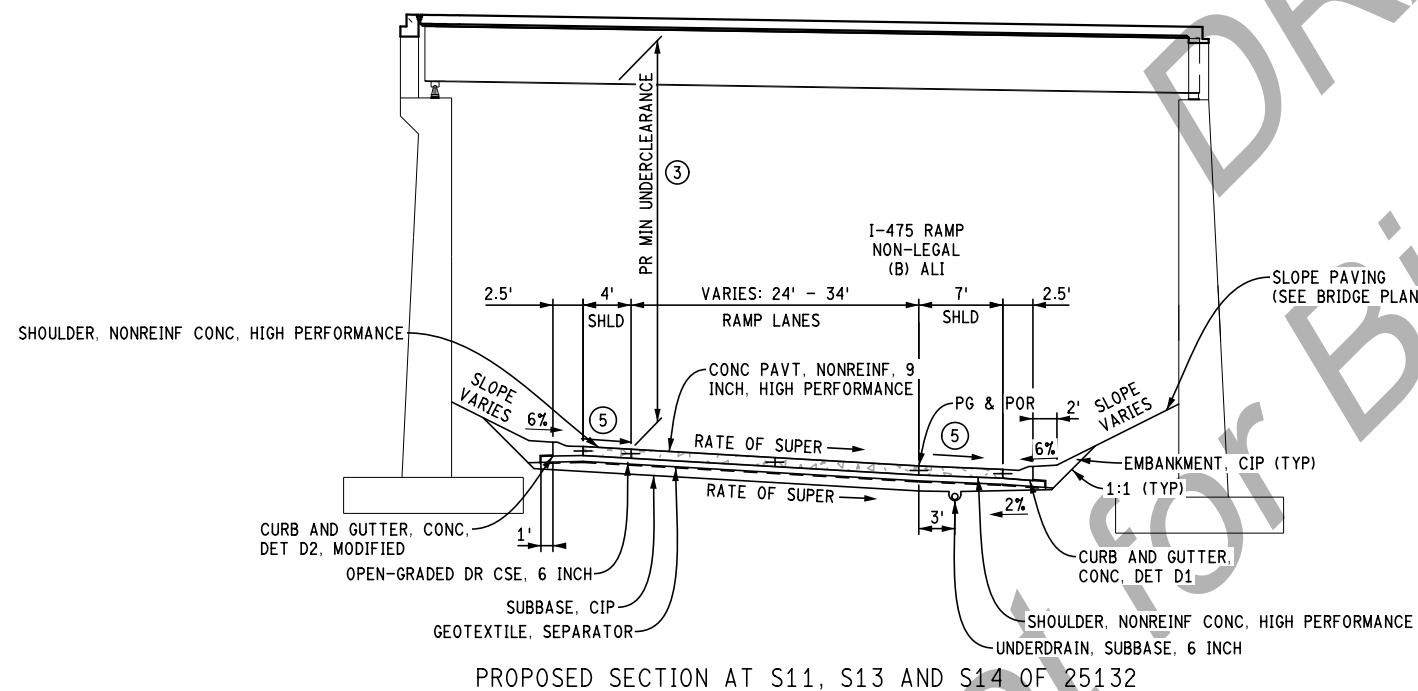
DRAWING
1-69
BR TYP
061
SHEET
105



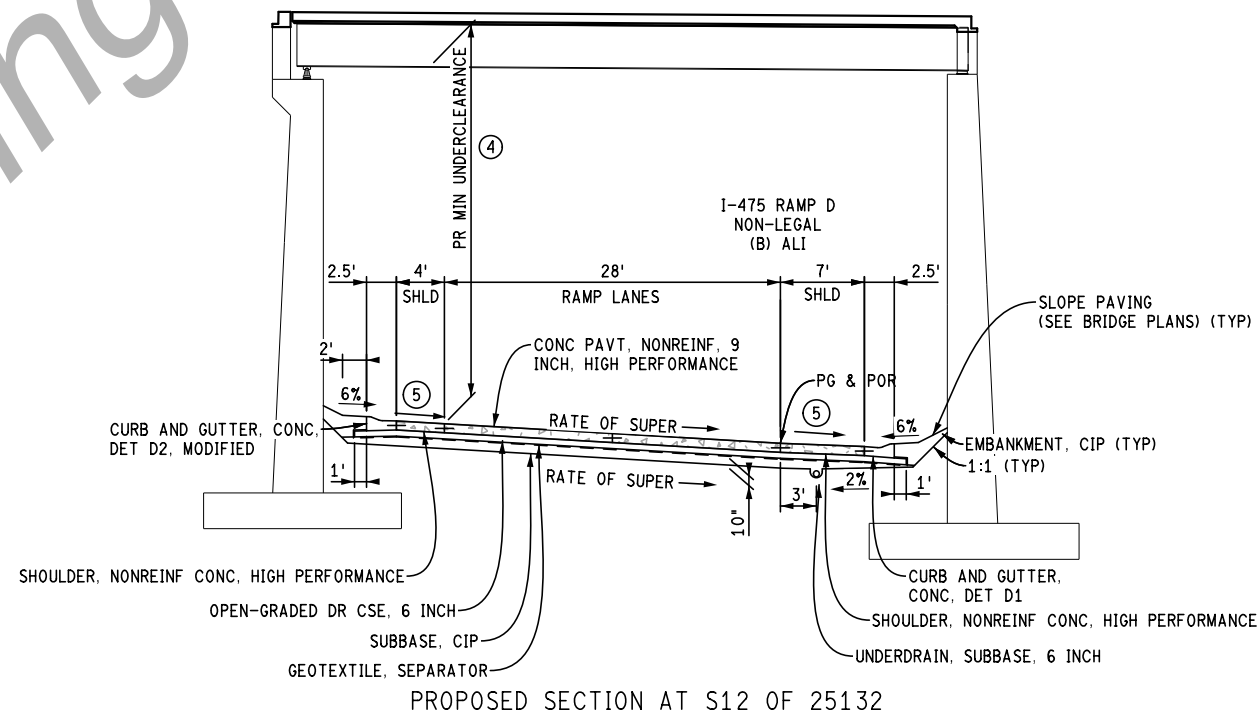
EXISTING SECTION AT S11, S13 AND S14 OF 25132



- ① EX 14.71' MIN UNDERCLEARANCE (S11 OF 25132)
EX 14.33' MIN UNDERCLEARANCE (S13 OF 25132)
EX 14.12' MIN UNDERCLEARANCE (S14 OF 25132)
- ② EX 14.71' MIN UNDERCLEARANCE (S12 OF 25132)



PROPOSED SECTION AT S11, S13 AND S14 OF 25132

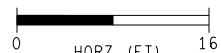


PROPOSED SECTION AT S12 OF 25132

- ③ PR 14.75' MIN UNDERCLEARANCE (S11 OF 25132)
PR 14.50' MIN UNDERCLEARANCE (S13 OF 25132)
PR 14.17' MIN UNDERCLEARANCE (S14 OF 25132)
- ④ PR 14.92' MIN UNDERCLEARANCE (S12 OF 25132)
- ⑤ SHOULDER SLOPE PER R-107 SERIES STANDARD PLAN

* BRIDGE HEIGHT EXAGGERATED FOR CLARITY

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)					
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE



FILE: 128093_Bridge Sections_Conc.dgn

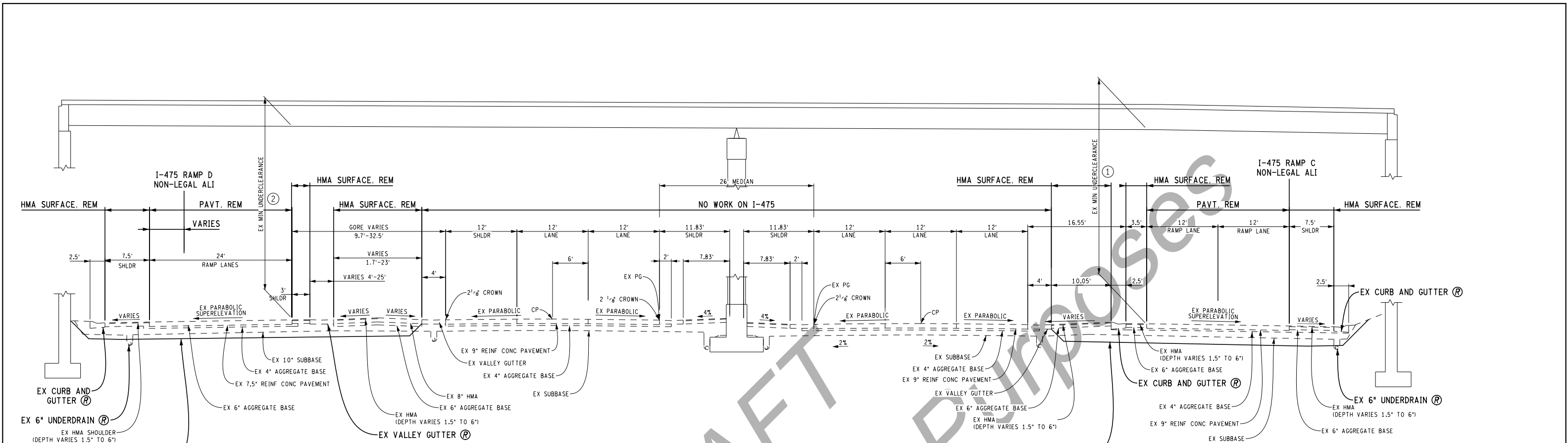
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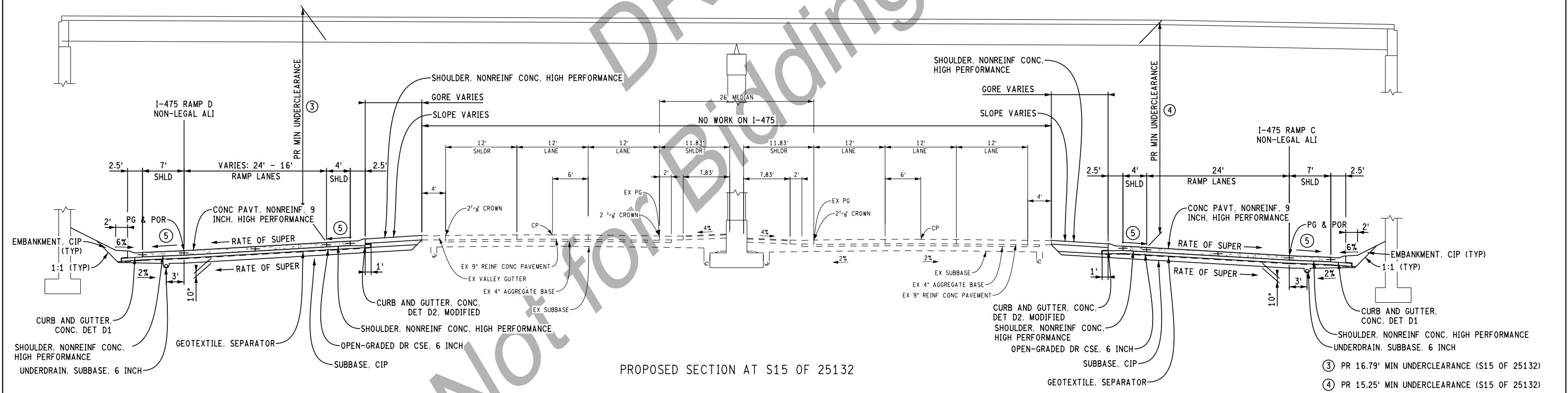
EXISTING & PROPOSED TYPICAL SECTION AT BRIDGE
S11, S12, S13 AND S14 OF 25132
CONCRETE ALTERNATIVE

DRAWING
1-69
BR TYP
062

SHEET
1
106



EXISTING SECTION AT S15 OF 25132



PROPOSED SECTION AT S15 OF 25132

① EX 16.79' MIN UNDERCLEARANCE (S15 OF 25132)

② EX 15.25' MIN UNDERCLEARANCE (S15 OF 25132)

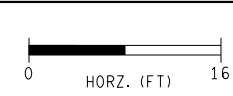
③ PR 16.79' MIN UNDERCLEARANCE (S15 OF 25132)

④ PR 15.25' MIN UNDERCLEARANCE (S15 OF 25132)

⑤ SHOULDER SLOPE PER R-107 SERIES STANDARD PLAN

* BRIDGE HEIGHT EXAGGERATED FOR CLARITY

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)					
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE

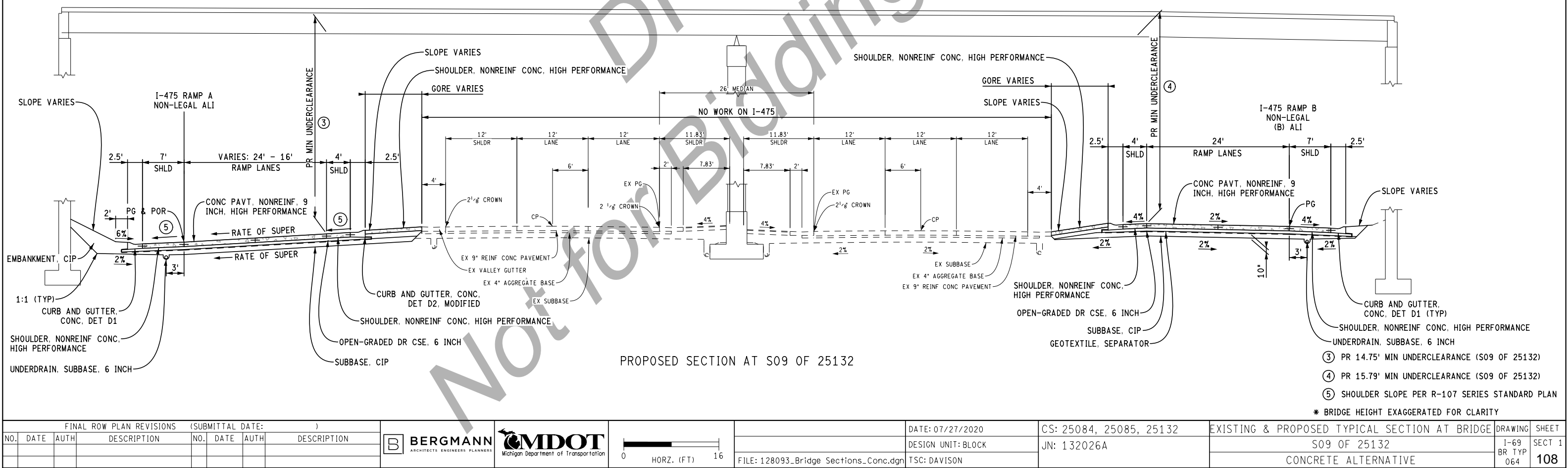
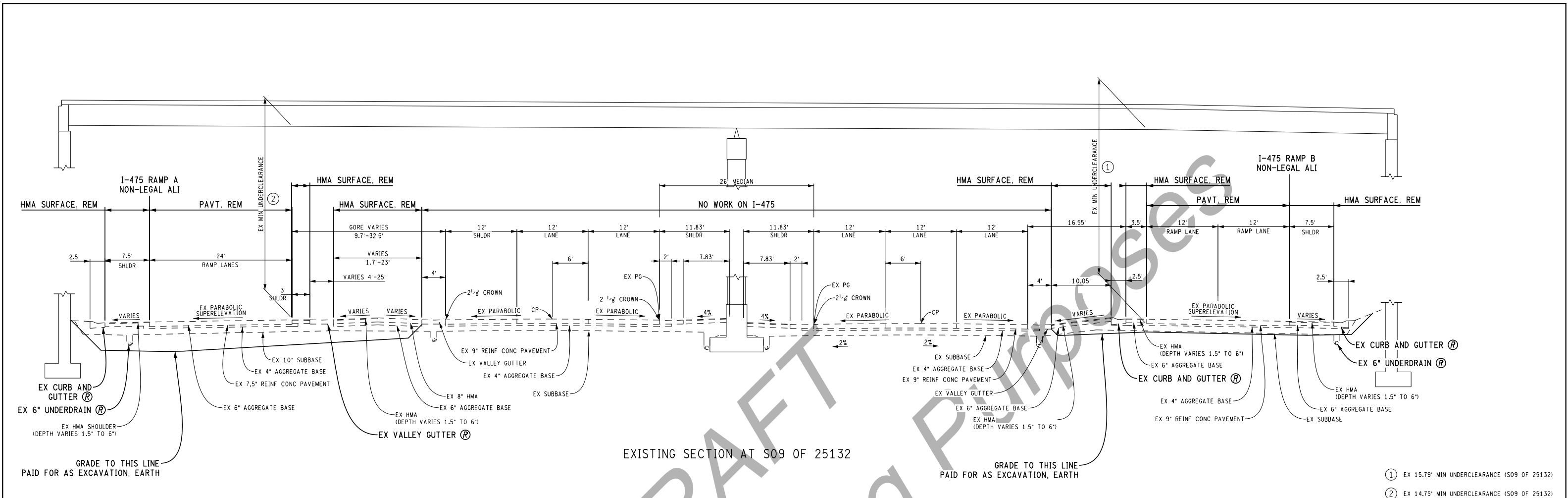


FILE: 128093_Bridge Sections_Conc.dgn

DATE: 07/27/2020
DESIGN UNIT: BLOCK
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CS: 25084, 25085, 25132
JN: 132026A

EXISTING & PROPOSED TYPICAL SECTION AT BRIDGE		DRAWING	SHEET
S15 OF 25132		I-69 BR TYP 063	107
CONCRETE ALTERNATIVE			



FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)						DATE: 07/27/2020		CS: 25084, 25085, 25132		EXISTING & PROPOSED TYPICAL SECTION AT BRIDGE		DRAWING	
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION	DESIGN UNIT: BLOCK	JN: 132026A	S09 OF 25132		1-69	
FILE: 128093_Bridge Sections_Conc.dgn										CONCRETE ALTERNATIVE		BR TYP	
TSC: DAVISON										064		108	